



# CERTIFICATE OF PRODUCT CERTIFICATION

## SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC23024405391

Valid from: Nov.11,2024

Valid until:Nov.03,2029

<b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND LOCATION OF THE FACTORY</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City Jiangsu Province, 215500, P.R. China
<b>PRODUCT NAME, MODEL AND SPECIFICATION</b>	PV modules See Appendix
<b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>	IEC61730-1:2023;IEC 61730-2:2023
<b>TYPE OF CERTIFICATION SCHEMES</b>	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-471541-2023.

Date of original issued: Sep.20,2023

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP210*210- M-66-NB-7 30W	STC	49.40±5%	41.41	18.74±5%	17.63	730±3%	1500	30
	BNPI	49.60±5%	41.61	20.76±5%	19.44	809±3%		
	BSI	-	-	23.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 25W	STC	49.20±5%	41.20	18.70±5%	17.60	725±3%	1500	30
	BNPI	49.40±5%	41.40	20.71±5%	19.40	803±3%		
	BSI	-	-	23.18±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 20W	STC	49.00±5%	41.00	18.65±5%	17.56	720±3%	1500	30
	BNPI	49.20±5%	41.20	20.67±5%	19.37	798±3%		
	BSI	-	-	23.13±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 15W	STC	48.80±5%	40.80	18.61±5%	17.52	715±3%	1500	30
	BNPI	49.00±5%	41.00	20.62±5%	19.32	792±3%		
	BSI	-	-	23.08±5%	-	-		

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	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 10W	STC	48.60 $\pm$ 5%	40.60	18.57 $\pm$ 5%	17.49	710 $\pm$ 3%	1500	30
	BNPI	48.80 $\pm$ 5%	40.80	20.57 $\pm$ 5%	19.29	787 $\pm$ 3%		
	BSI	-	-	23.02 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 05W	STC	48.40 $\pm$ 5%	40.40	18.52 $\pm$ 5%	17.45	705 $\pm$ 3%	1500	30
	BNPI	48.60 $\pm$ 5%	40.60	20.52 $\pm$ 5%	19.24	781 $\pm$ 3%		
	BSI	-	-	22.97 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 00W	STC	48.20 $\pm$ 5%	40.20	18.48 $\pm$ 5%	17.41	700 $\pm$ 3%	1500	30
	BNPI	48.40 $\pm$ 5%	40.40	20.47 $\pm$ 5%	19.21	776 $\pm$ 3%		
	BSI	-	-	22.91 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断 电流[A]
LP210*210-	STC	48.00 $\pm$ 5%	40.00	18.40 $\pm$ 5%	17.38	695 $\pm$ 3%	1500	30

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M-66-NB-6 95W	BNPI	48.20±5%	40.20	20.38±5%	19.15	770±3%		
	BSI	-	-	22.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 90W	STC	47.80±5%	39.80	18.30±5%	17.34	690±3%	1500	30
	BNPI	48.00±5%	40.00	20.27±5%	19.13	765±3%		
	BSI	-	-	22.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 85W	STC	47.60±5%	39.60	18.25±5%	17.30	685±3%	1500	30
	BNPI	47.80±5%	39.80	20.22±5%	19.07	759±3%		
	BSI	-	-	22.63±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 80W	STC	47.40±5%	39.40	18.18±5%	17.26	680±3%	1500	30
	BNPI	47.60±5%	39.60	20.14±5%	19.02	753±3%		
	BSI	-	-	22.54±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-66-NB-6 75W	STC	47.20±5%	39.20	18.14±5%	17.22	675±3%	1500	30
	BNPI	47.40±5%	39.40	20.10±5%	18.98	748±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-66-NB-6 70W	STC	47.00±5%	39.00	18.09±5%	17.18	670±3%	1500	30
	BNPI	47.20±5%	39.20	20.04±5%	18.93	742±3%		
	BSI	-	-	22.43±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-66-NB-6 65W	STC	46.80±5%	38.80	18.05±5%	17.14	665±3%	1500	30
	BNPI	47.00±5%	39.00	20.00±5%	18.90	737±3%		
	BSI	-	-	22.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax [W]/ 公差	系统电 压[V]	额定熔断电 流[A]
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LP210*210-M-60-NB-66 5W	STC	45.00±5%	37.70	18.74±5%	17.64	665±3%	1500	30
	BNPI	45.20±5%	37.90	20.76±5%	19.45	737±3%		
	BSI	-	-	23.23±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-66 0W	STC	44.80±5%	37.50	18.69±5%	17.60	660±3%	1500	30
	BNPI	45.00±5%	37.70	20.71±5%	19.39	731±3%		
	BSI	-	-	23.18±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-65 5W	STC	44.60±5%	37.30	18.64±5%	17.56	655±3%	1500	30
	BNPI	44.80±5%	37.50	20.66±5%	19.36	726±3%		
	BSI	-	-	23.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-65	STC	44.40±5%	37.10	18.59±5%	17.52	650±3%	1500	30

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0W	BNPI	44.60±5%	37.30	20.60±5%	19.30	720±3%		
	BSI	-	-	23.06±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-64 5W	STC	44.20±5%	36.90	18.55±5%	17.48	645±3%	1500	30
	BNPI	44.40±5%	37.10	20.55±5%	19.27	715±3%		
	BSI	-	-	23.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-64 0W	STC	44.00±5%	36.70	18.49±5%	17.44	640±3%	1500	30
	BNPI	44.20±5%	36.90	20.49±5%	19.21	709±3%		
	BSI	-	-	22.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-63 5W	STC	43.80±5%	36.50	18.44±5%	17.40	635±3%	1500	30
	BNPI	44.00±5%	36.70	20.44±5%	19.18	704±3%		

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	BSI	-	-	22.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-60-NB-630W	STC	43.60±5%	36.30	18.36±5%	17.36	630±3%	1500	30
	BNPI	43.80	36.50	20.34±5%	19.12	698±3%		
	BSI	-	-	22.77±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-625W	STC	43.40±5%	36.10	18.25±5%	17.31	625±3%	1500	30
	BNPI	43.60±5%	36.30	20.22±5%	19.09	693±3%		
	BSI	-	-	22.63±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-620W	STC	43.20±5%	35.90	18.19±5%	17.27	620±3%	1500	30
	BNPI	43.40±5%	36.10	20.15±5%	19.03	687±3%		

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	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-615W	STC	43.00±5%	35.70	18.14±5%	17.23	615±3%	1500	30
	BNPI	43.20±5%	35.90	20.10±5%	18.97	681±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-610W	STC	42.90±5%	35.50	18.04±5%	17.18	610±3%	1500	30
	BNPI	43.10±5%	35.70	19.99±5%	18.94	676±3%		
	BSI	-	-	22.37±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-595W	STC	40.40±5%	33.80	18.68±5%	17.60	595±3%	1500	30
	BNPI	40.60±5%	34.00	20.70±5%	19.38	659±3%		
	BSI	-	-	23.17±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-590W	STC	40.20±5%	33.60	18.62±5%	17.56	590±3%	1500	30
	BNPI	40.40±5%	33.80	20.63±5%	19.35	654±3%		

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	BSI	-	-	23.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP210*210- M-54-NB-5 85W	STC	40.00±5%	33.40	18.56±5%	17.51	585±3%	1500	30
	BNPI	40.20±5%	33.60	20.57±5%	19.29	648±3%		
	BSI	-	-	23.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-54-NB-5 80W	STC	39.80±5%	33.20	18.52±5%	17.47	580±3%	1500	30
	BNPI	40.00±5%	33.40	20.52±5%	19.25	643±3%		
	BSI	-	-	22.97±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-54-NB-5 75W	STC	39.60±5%	33.00	18.46±5%	17.42	575±3%	1500	30
	BNPI	39.80±5%	33.20	20.46±5%	19.19	637±3%		
	BSI	-	-	22.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-54-NB-5 70W	STC	39.40±5%	32.80	18.41±5%	17.38	570±3%	1500	30
	BNPI	39.60±5%	33.00	20.39±5%	19.15	632±3%		
	BSI	-	-	22.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 65W	STC	39.20±5%	32.60	18.27±5%	17.33	565±3%	1500	30
	BNPI	39.40±5%	32.80	20.24±5%	19.09	626±3%		
	BSI	-	-	22.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 60W	STC	39.00±5%	32.40	18.21±5%	17.28	560±3%	1500	30
	BNPI	39.20±5%	32.60	20.17±5%	19.02	620±3%		
	BSI	-	-	22.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 55W	STC	38.80±5%	32.20	18.15±5%	17.24	555±3%	1500	30
	BNPI	39.00±5%	32.40	20.11±5%	18.98	615±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210- M-54-NB-5 50W	STC	38.60±5%	32.00	18.08±5%	17.19	550±3%	1500	30
	BNPI	38.80±5%	32.20	20.03±5%	18.91	609±3%		
	BSI	-	-	22.42±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 30W	STC	35.93±5%	30.03	18.72±5%	17.65	530±3%	1500	30
	BNPI	36.13±5%	30.23	20.74±5%	19.42	587±3%		
	BSI	-	-	23.22±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 25W	STC	35.70±5%	29.80	18.67±5%	17.62	525±3%	1500	30
	BNPI	35.90±5%	30.00	20.68±5%	19.40	582±3%		
	BSI	-	-	23.15±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 20W	STC	35.50±5%	29.60	18.61±5%	17.57	520±3%	1500	30
	BNPI	35.70±5%	29.80	20.61±5%	19.33	576±3%		

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	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 15W	STC	35.30±5%	29.40	18.54±5%	17.52	515±3%	1500	30
	BNPI	35.50±5%	29.60	20.55±5%	19.29	571±3%		
	BSI	-	-	22.99±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 10W	STC	35.10±5%	29.20	18.49±5%	17.47	510±3%	1500	30
	BNPI	35.30±5%	29.40	20.48±5%	19.22	565±3%		
	BSI	-	-	22.92±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 05W	STC	34.90±5%	29.00	18.39±5%	17.41	505±3%	1500	30
	BNPI	35.10±5%	29.20	20.37±5%	19.18	560±3%		
	BSI	-	-	22.80±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
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LP210*210-M-48-NB-5 00W	STC	34.70±5%	28.80	18.27±5%	17.36	500±3%	1500	30
	BNPI	34.90±5%	29.00	20.25±5%	19.10	554±3%		
	BSI	-	-	22.66±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-4 95W	STC	34.50±5%	28.60	18.18±5%	17.31	495±3%	1500	30
	BNPI	34.70±5%	28.80	20.15±5%	19.03	548±3%		
	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-4 90W	STC	34.30±5%	28.40	18.12±5%	17.25	490±3%	1500	30
	BNPI	34.50±5%	28.60	20.08±5%	18.99	543±3%		
	BSI	-	-	22.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 65W	STC	31.40±5%	26.35	18.75±5%	17.65	465±3%	1500	30
	BNPI	31.63±5%	26.50	20.78±5%	19.43	515±3%		
	BSI	-	-	23.25±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-42-NB-4 60W	STC	31.20±5%	26.20	18.70±5%	17.56	460±3%	1500	30
	BNPI	31.40±5%	26.40	20.72±5%	19.32	510±3%		
	BSI	-	-	23.19±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 55W	STC	31.00±5%	26.00	18.63±5%	17.50	455±3%	1500	30
	BNPI	31.20±5%	26.20	20.64±5%	19.24	504±3%		
	BSI	-	-	23.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 50W	STC	30.80±5%	25.80	18.58±5%	17.44	450±3%	1500	30
	BNPI	31.00±5%	26.00	20.58±5%	19.19	499±3%		
	BSI	-	-	23.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP210*210-M-42-NB-4 45W	STC	30.60±5%	25.60	18.50±5%	17.38	445±3%	1500	30
	BNPI	30.80±5%	25.80	20.50±5%	19.11	493±3%		

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	BSI	-	-	22.94±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 40W	STC	30.40±5%	25.40	18.34±5%	17.32	440±3%	1500	30
	BNPI	30.60±5%	25.60	20.33±5%	19.06	488±3%		
	BSI	-	-	22.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 35W	STC	30.20±5%	25.20	18.27±5%	17.26	435±3%	1500	30
	BNPI	30.40±5%	25.40	20.24±5%	18.98	482±3%		
	BSI	-	-	22.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 30W	STC	30.00±5%	25.00	18.18±5%	17.20	430±3%	1500	30
	BNPI	30.20±5%	25.20	20.15±5%	18.89	476±3%		
	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 80W	STC	54.41±5%	44.55	13.58±5%	13.02	580±3%	1500	25
	BNPI	54.61±5%	44.75	15.05±5%	14.37	643±3%		

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	BSI	-	-	16.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 85W	STC	54.56±5%	44.73	13.65±5%	13.08	585±3%	1500	25
	BNPI	54.76±5%	44.93	15.12±5%	14.42	648±3%		
	BSI	-	-	16.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 90W	STC	54.71±5%	44.87	13.72±5%	13.15	590±3%	1500	25
	BNPI	54.91±5%	45.07	15.20±5%	14.51	654±3%		
	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-78-NB-5 95W	STC	54.86±5%	45.01	13.79±5%	13.22	595±3%	1500	25
	BNPI	55.06±5%	45.21	15.28±5%	14.58	659±3%		
	BSI	-	-	17.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-78-NB-6 00W	STC	55.01±5%	45.15	13.86±5%	13.29	600±3%	1500	25
	BNPI	55.21±5%	45.35	15.36±5%	14.66	665±3%		
	BSI	-	-	17.19±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 05W	STC	55.16±5%	45.32	13.92±5%	13.35	605±3%	1500	25
	BNPI	55.36±5%	45.52	15.42±5%	14.72	670±3%		
	BSI	-	-	17.26±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 10W	STC	55.31±5%	45.46	13.98±5%	13.42	610±3%	1500	25
	BNPI	55.51±5%	45.66	15.49±5%	14.81	676±3%		
	BSI	-	-	17.34±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 15W	STC	55.46±5%	45.63	14.04±5%	13.48	615±3%	1500	25
	BNPI	55.66±5%	45.83	15.56±5%	14.86	681±3%		
	BSI	-	-	17.41±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	55.61±5%	45.76	14.09±5%	13.55	620±3%	1500	25

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M-78-NB-6 20W	BNPI	55.81±5%	45.96	15.61±5%	14.90	685±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 35W	STC	50.22±5%	41.13	13.57±5%	13.01	535±3%	1500	25
	BNPI	50.42±5%	41.33	15.04±5%	14.35	593±3%		
	BSI	-	-	16.83±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-72-NB-5 40W	STC	50.37±5%	41.29	13.65±5%	13.08	540±3%	1500	25
	BNPI	50.57±5%	41.49	15.12±5%	14.41	598±3%		
	BSI	-	-	16.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 45W	STC	50.52±5%	41.45	13.72±5%	13.15	545±3%	1500	25
	BNPI	50.72±5%	41.65	15.20±5%	14.50	604±3%		

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	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 50W	STC	50.67±5%	41.58	13.80±5%	13.23	550±3%	1500	25
	BNPI	50.87±5%	41.78	15.29±5%	14.58	609±3%		
	BSI	-	-	17.11±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 55W	STC	50.82±5%	41.73	13.87±5%	13.30	555±3%	1500	25
	BNPI	51.02±5%	41.93	15.37±5%	14.67	615±3%		
	BSI	-	-	17.20±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 60W	STC	50.97±5%	41.89	13.94±5%	13.37	560±3%	1500	25
	BNPI	51.17±5%	42.09	15.45±5%	14.73	620±3%		
	BSI	-	-	17.29±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 65W	STC	51.12±5%	42.04	13.99±5%	13.44	565±3%	1500	25
	BNPI	51.32±5%	42.24	15.50±5%	14.82	626±3%		
	BSI	-	-	17.35±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 70W	STC	51.27±5%	42.19	14.05±5%	13.51	570±3%	1500	25
	BNPI	51.47±5%	42.39	15.57±5%	14.91	632±3%		
	BSI	-	-	17.42±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182-M-72-NB-5 75W	STC	51.42±5%	42.34	14.11±5%	13.58	575±3%	1500	25
	BNPI	51.62±5%	42.54	15.63±5%	14.97	637±3%		
	BSI	-	-	17.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 80W	STC	51.57±5%	42.49	14.18±5%	13.65	580±3%	1500	25
	BNPI	51.77±5%	42.69	15.71±5%	15.06	643±3%		
	BSI	-	-	17.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	51.72±5%	42.64	14.24±5%	13.72	585±3%	1500	25

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M-72-NB-5 85W	BNPI	51.92±5%	42.84	15.78±5%	15.13	648±3%		
	BSI	-	-	17.66±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 90W	STC	51.87±5%	42.79	14.30±5%	13.79	590±3%	1500	25
	BNPI	52.07±5%	42.99	15.84±5%	15.21	654±3%		
	BSI	-	-	17.73±5%	-	-		
LP182*182- M-72-NB-5 95W	φ	99±5%	-	80±10%	-	80±10%	1500	25
	STC	52.02±5%	42.93	14.38±5%	13.86	595±3%		
	BNPI	52.22±5%	43.13	15.93±5%	15.28	659±3%		
	BSI	-	-	17.83±5%	-	-		
LP182*182- M-72-NB-6 00W	φ	99±5%	-	80±10%	-	80±10%	1500	25
	STC	52.17±5%	43.08	14.43±5%	13.93	600±3%		
	BNPI	52.37±5%	43.28	15.99±5%	15.37	665±3%		
	BSI	-	-	17.89±5%	-	-		
LP182*182-	STC	46.04±5%	37.70	13.56±5%	13.00	490±3%	1500	25

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M-66-NB-4 90W	BNPI	46.24±5%	37.90	15.02±5%	14.33	543±3%		
	BSI	-	-	16.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-66-NB-4 95W	STC	46.19±5%	37.85	13.64±5%	13.08	495±3%	1500	25
	BNPI	46.39±5%	38.05	15.11±5%	14.40	548±3%		
	BSI	-	-	16.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 00W	STC	46.34±5%	38.00	13.73±5%	13.16	500±3%	1500	25
	BNPI	46.54±5%	38.20	15.21±5%	14.50	554±3%		
	BSI	-	-	17.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 05W	STC	46.49±5%	38.14	13.81±5%	13.24	505±3%	1500	25
	BNPI	46.69±5%	38.34	15.30±5%	14.61	560±3%		
	BSI	-	-	17.12±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 10W	STC	46.64±5%	38.29	13.89±5%	13.32	510±3%	1500	25
	BNPI	46.84±5%	38.49	15.39±5%	14.68	565±3%		
	BSI	-	-	17.22±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 15W	STC	46.79±5%	38.46	13.97±5%	13.39	515±3%	1500	25
	BNPI	46.99±5%	38.66	15.48±5%	14.77	571±3%		
	BSI	-	-	17.32±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 20W	STC	46.94±5%	38.61	14.02±5%	13.47	520±3%	1500	25
	BNPI	47.14±5%	38.81	15.53±5%	14.84	576±3%		
	BSI	-	-	17.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 25W	STC	47.09±5%	38.75	14.09±5%	13.55	525±3%	1500	25
	BNPI	47.29±5%	38.95	15.61±5%	14.94	582±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182- M-66-NB-5 30W	STC	47.24±5%	38.92	14.14±5%	13.62	530±3%	1500	25
	BNPI	47.44±5%	39.12	15.67±5%	15.01	587±3%		
	BSI	-	-	17.53±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 35W	STC	47.39±5%	39.05	14.21±5%	13.70	535±3%	1500	25
	BNPI	47.59±5%	39.25	15.74±5%	15.11	593±3%		
	BSI	-	-	17.62±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 40W	STC	47.54±5%	39.19	14.28±5%	13.78	540±3%	1500	25
	BNPI	47.74±5%	39.39	15.82±5%	15.18	598±3%		
	BSI	-	-	17.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 45W	STC	47.69±5%	39.35	14.36±5%	13.85	545±3%	1500	25
	BNPI	47.89±5%	39.55	15.91±5%	15.27	604±3%		

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	BSI	-	-	17.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 50W	STC	47.84±5%	39.51	14.43±5%	13.92	550±3%	1500	25
	BNPI	48.04±5%	39.71	15.99±5%	15.34	609±3%		
	BSI	-	-	17.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 45W	STC	41.85±5%	34.29	13.54±5%	12.98	445±3%	1500	25
	BNPI	42.05±5%	34.49	15.00±5%	14.29	493±3%		
	BSI	-	-	16.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-60-NB-4 50W	STC	42.00±5%	34.43	13.63±5%	13.07	450±3%	1500	25
	BNPI	42.20±5%	34.63	15.10±5%	14.41	499±3%		
	BSI	-	-	16.90±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 55W	STC	42.15±5%	34.58	13.72±5%	13.16	455±3%	1500	25
	BNPI	42.35±5%	34.78	15.20±5%	14.49	504±3%		
	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 60W	STC	42.30±5%	34.72	13.81±5%	13.25	460±3%	1500	25
	BNPI	42.50±5%	34.92	15.30±5%	14.60	510±3%		
	BSI	-	-	17.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 65W	STC	42.45±5%	34.89	13.90±5%	13.33	465±3%	1500	25
	BNPI	42.65±5%	35.09	15.40±5%	14.68	515±3%		
	BSI	-	-	17.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 70W	STC	42.60±5%	35.03	13.97±5%	13.42	470±3%	1500	25
	BNPI	42.80±5%	35.23	15.48±5%	14.79	521±3%		
	BSI	-	-	17.32±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-60-NB-4 75W	STC	42.75±5%	35.19	14.04±5%	13.50	475±3%	1500	25
	BNPI	42.95±5%	35.39	15.56±5%	14.86	526±3%		
	BSI	-	-	17.41±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 80W	STC	42.90±5%	35.32	14.12±5%	13.59	480±3%	1500	25
	BNPI	43.10±5%	35.52	15.64±5%	14.98	532±3%		
	BSI	-	-	17.51±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182-M-60-NB-4 85W	STC	43.05±5%	35.48	14.18±5%	13.67	485±3%	1500	25
	BNPI	43.25±5%	35.68	15.71±5%	15.05	537±3%		
	BSI	-	-	17.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 90W	STC	43.20±5%	35.64	14.26±5%	13.75	490±3%	1500	25
	BNPI	43.40±5%	35.84	15.80±5%	15.15	543±3%		

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	BSI	-	-	17.68±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 95W	STC	43.35±5%	35.79	14.35±5%	13.83	495±3%	1500	25
	BNPI	43.55±5%	35.99	15.90±5%	15.23	548±3%		
	BSI	-	-	17.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-5 00W	STC	43.50±5%	35.92	14.44±5%	13.92	500±3%	1500	25
	BNPI	43.70±5%	36.12	16.00±5%	15.34	554±3%		
	BSI	-	-	17.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 00W	STC	37.67±5%	30.84	13.53±5%	12.97	400±3%	1500	25
	BNPI	37.87±5%	31.04	14.99±5%	14.27	443±3%		
	BSI	-	-	16.78±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 05W	STC	37.82±5%	31.01	13.63±5%	13.06	405±3%	1500	25
	BNPI	38.02±5%	31.21	15.10±5%	14.39	449±3%		

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	BSI	-	-	16.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 10W	STC	37.97±5%	31.16	13.74±5%	13.16	410±3%	1500	25
	BNPI	38.17±5%	31.36	15.22±5%	14.48	454±3%		
	BSI	-	-	17.04±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-54-NB-4 15W	STC	38.12±5%	31.30	13.83±5%	13.26	415±3%	1500	25
	BNPI	38.32±5%	31.50	15.32±5%	14.60	460±3%		
	BSI	-	-	17.15±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 20W	STC	38.27±5%	31.46	13.93±5%	13.35	420±3%	1500	25
	BNPI	38.47±5%	31.66	15.43±5%	14.69	465±3%		
	BSI	-	-	17.27±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-54-NB-4 25W	STC	38.42±5%	31.60	14.00±5%	13.45	425±3%	1500	25
	BNPI	38.62±5%	31.80	15.51±5%	14.81	471±3%		
	BSI	-	-	17.36±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 30W	STC	38.57±5%	31.76	14.09±5%	13.54	430±3%	1500	25
	BNPI	38.77±5%	31.96	15.61±5%	14.89	476±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 35W	STC	38.72±5%	31.89	14.18±5%	13.64	435±3%	1500	25
	BNPI	38.92±5%	32.09	15.71±5%	15.02	482±3%		
	BSI	-	-	17.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 40W	STC	38.87±5%	32.05	14.27±5%	13.73	440±3%	1500	25
	BNPI	39.07±5%	32.25	15.81±5%	15.13	488±3%		
	BSI	-	-	17.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	39.02±5%	32.20	14.36±5%	13.82	445±3%	1500	25

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M-54-NB-4 45W	BNPI	39.22±5%	32.40	15.91±5%	15.22	493±3%		
	BSI	-	-	17.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-54-NB-4 50W	STC	39.17±5%	32.35	14.44±5%	13.91	450±3%	1500	25
	BNPI	39.37±5%	32.55	16.00±5%	15.33	499±3%		
	BSI	-	-	17.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-5 80W	STC	47.25±5%	39.46	15.64±5%	14.70	580±3%	1500	25
	BNPI	47.45±5%	39.66	17.33±5%	16.21	643±3%		
	BSI	-	-	19.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-5 85W	STC	47.55±5%	39.66	15.66±5%	14.75	585±3%	1500	25
	BNPI	47.75±5%	39.86	17.36±5%	16.26	648±3%		

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	BSI	-	-	19.42±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-5 90W	STC	47.85±5%	39.86	15.71±5%	14.80	590±3%	1500	25
	BNPI	48.05±5%	40.06	17.40±5%	16.33	654±3%		
	BSI	-	-	19.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-5 95W	STC	48.15±5%	40.06	15.74±5%	14.85	595±3%	1500	25
	BNPI	48.35±5%	40.26	17.44±5%	16.37	659±3%		
	BSI	-	-	19.52±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-6 00W	STC	48.45±5%	40.26	15.78±5%	14.90	600±3%	1500	25
	BNPI	48.65±5%	40.46	17.49±5%	16.44	665±3%		
	BSI	-	-	19.57±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-6 05W	STC	48.75±5%	40.46	15.81±5%	14.95	605±3%	1500	25
	BNPI	48.95±5%	40.66	17.52±5%	16.48	670±3%		
	BSI	-	-	19.61±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210- M-66-NB-6 10W	STC	49.05±5%	40.66	15.84±5%	15.00	610±3%	1500	25
	BNPI	49.25±5%	40.86	17.55±5%	16.54	676±3%		
	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 15W	STC	49.35±5%	40.86	15.88±5%	15.05	615±3%	1500	25
	BNPI	49.55±5%	41.06	17.60±5%	16.59	681±3%		
	BSI	-	-	19.70±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 20W	STC	49.55±5%	41.06	15.93±5%	15.10	620±3%	1500	25
	BNPI	49.75±5%	41.26	17.65±5%	16.65	687±3%		
	BSI	-	-	19.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-	STC	49.75±5%	41.26	16.00±5%	15.15	625±3%	1500	25

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M-66-NB-6 25W	BNPI	49.95±5%	41.46	17.73±5%	16.69	692±3%		
	BSI	-	-	19.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 30W	STC	49.95±5%	41.46	16.05±5%	15.20	630±3%	1500	25
	BNPI	50.15±5%	41.66	17.78±5%	16.71	696±3%		
	BSI	-	-	19.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 30W	STC	43.24±5%	36.00	15.63±5%	14.72	530±3%	1500	25
	BNPI	43.44±5%	36.20	17.32±5%	16.22	587±3%		
	BSI	-	-	19.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 35W	STC	43.51±5%	36.20	15.68±5%	14.78	535±3%	1500	25
	BNPI	43.71±5%	36.40	17.37±5%	16.29	593±3%		
	BSI	-	-	19.44±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*210- M-60-NB-5 40W	STC	43.78±5%	36.40	15.71±5%	14.84	540±3%	1500	25
	BNPI	43.98±5%	36.60	17.41±5%	16.34	598±3%		
	BSI	-	-	19.49±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 45W	STC	44.05±5%	36.60	15.77±5%	14.89	545±3%	1500	25
	BNPI	44.25±5%	36.80	17.47±5%	16.41	604±3%		
	BSI	-	-	19.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 50W	STC	44.32±5%	36.80	15.81±5%	14.95	550±3%	1500	25
	BNPI	44.52±5%	37.00	17.52±5%	16.46	609±3%		
	BSI	-	-	19.61±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 55W	STC	44.59±5%	37.00	15.86±5%	15.00	555±3%	1500	25
	BNPI	44.79±5%	37.20	17.57±5%	16.53	615±3%		
	BSI	-	-	19.66±5%	-	-		

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	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*210-M-60-NB-5 60W	STC	44.86 $\pm$ 5%	37.20	15.90 $\pm$ 5%	15.05	560 $\pm$ 3%	1500	25
	BNPI	45.06 $\pm$ 5%	37.40	17.62 $\pm$ 5%	16.58	620 $\pm$ 3%		
	BSI	-	-	19.72 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*210-M-60-NB-5 65W	STC	45.13 $\pm$ 5%	37.40	15.94 $\pm$ 5%	15.11	565 $\pm$ 3%	1500	25
	BNPI	45.33 $\pm$ 5%	37.60	17.66 $\pm$ 5%	16.65	626 $\pm$ 3%		
	BSI	-	-	19.77 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*210-M-60-NB-5 70W	STC	45.40 $\pm$ 5%	37.60	15.97 $\pm$ 5%	15.16	570 $\pm$ 3%	1500	25
	BNPI	45.60 $\pm$ 5%	37.80	17.69 $\pm$ 5%	16.69	631 $\pm$ 3%		
	BSI	-	-	19.80 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210-	STC	38.82 $\pm$ 5%	32.33	15.59 $\pm$ 5%	14.69	475 $\pm$ 3%	1500	25

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M-54-NB-4 75W	BNPI	39.02±5%	32.53	17.27±5%	16.17	526±3%		
	BSI	-	-	19.33±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-54-NB-4 80W	STC	39.07±5%	32.53	15.64±5%	14.76	480±3%	1500	25
	BNPI	39.27±5%	32.73	17.33±5%	16.25	532±3%		
	BSI	-	-	19.40±5%	-	-		
P182*210- M-54-NB-4 85W	STC	39.32±5%	32.73	15.71±5%	14.82	485±3%	1500	25
	BNPI	39.52±5%	32.93	17.41±5%	16.31	537±3%		
	BSI	-	-	19.48±5%	-	-		
LP182*210- M-54-NB-4 90W	STC	39.57±5%	32.93	15.78±5%	14.88	490±3%	1500	25
	BNPI	39.77±5%	33.13	17.48±5%	16.39	543±3%		
	BSI	-	-	19.56±5%	-	-		
LP182*210- M-54-NB-4 95W	STC	39.82±5%	33.13	15.84±5%	14.94	495±3%	1500	25
	BNPI	40.02±5%	33.33	17.55±5%	16.44	548±3%		

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	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-54-NB-500W	STC	40.07±5%	33.33	15.90±5%	15.00	500±3%	1500	25
	BNPI	40.27±5%	33.53	17.62±5%	16.52	554±3%		
	BSI	-	-	19.72±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-54-NB-505W	STC	40.32±5%	33.53	15.96±5%	15.06	505±3%	1500	25
	BNPI	40.52±5%	33.73	17.69±5%	16.60	560±3%		
	BSI	-	-	19.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*210-M-54-NB-510W	STC	40.57±5%	33.73	16.01±5%	15.12	510±3%	1500	25
	BNPI	40.77±5%	33.93	17.74±5%	16.65	565±3%		
	BSI	-	-	19.85±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*210-M-54-NB-5 15W	STC	40.82±5%	33.93	16.05±5%	15.18	515±3%	1500	25
	BNPI	41.02±5%	34.13	17.78±5%	16.70	570±3%		
	BSI	-	-	19.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 20W	STC	34.38±5%	28.58	15.57±5%	14.70	420±3%	1500	25
	BNPI	34.58±5%	28.78	17.25±5%	16.16	465±3%		
	BSI	-	-	19.31±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 25W	STC	34.63±5%	28.78	15.63±5%	14.77	425±3%	1500	25
	BNPI	34.83±5%	28.98	17.32±5%	16.25	471±3%		
	BSI	-	-	19.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 30W	STC	34.88±5%	28.98	15.70±5%	14.84	430±3%	1500	25
	BNPI	35.08±5%	29.18	17.39±5%	16.31	476±3%		
	BSI	-	-	19.46±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*210-M-48-NB-4 35W	STC	35.13±5%	29.18	15.77±5%	14.91	435±3%	1500	25
	BNPI	35.33±5%	29.38	17.48±5%	16.41	482±3%		
	BSI	-	-	19.56±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 40W	STC	35.38±5%	29.38	15.84±5%	14.98	440±3%	1500	25
	BNPI	35.58±5%	29.58	17.56±5%	16.50	488±3%		
	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210-M-48-NB-4 45W	STC	35.63±5%	29.58	15.90±5%	15.04	445±3%	1500	25
	BNPI	35.83±5%	29.78	17.62±5%	16.55	493±3%		
	BSI	-	-	19.72±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 50W	STC	35.88±5%	29.78	15.97±5%	15.11	450±3%	1500	25
	BNPI	36.08±5%	29.98	17.69±5%	16.64	499±3%		

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	BSI	-	-	19.80±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 55W	STC	36.13±5%	29.98	16.02±5%	15.18	455±3%	1500	25
	BNPI	36.33±5%	30.18	17.75±5%	16.70	504±3%		
	BSI	-	-	19.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 70W	STC	50.69±5%	42.08	14.28±5%	13.55	570±3%	1500	25
	BNPI	50.89±5%	42.28	15.82±5%	14.95	632±3%		
	BSI	-	-	17.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 75W	STC	50.79±5%	42.18	14.37±5%	13.63	575±3%	1500	25
	BNPI	50.99±5%	42.38	15.93±5%	15.03	637±3%		
	BSI	-	-	17.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 80W	STC	50.89±5%	42.28	14.47±5%	13.72	580±3%	1500	25
	BNPI	51.09±5%	42.48	16.03±5%	15.14	643±3%		

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LP182*199-M-72-NB-5 85W	BSI	-	-	17.94±5%	-	-	1500	25
	φ	99±5%	-	80±10%	-	80±10%		
	STC	50.99±5%	42.38	14.56±5%	13.80	585±3%		
	BNPI	51.19±5%	42.58	16.13±5%	15.22	648±3%		
	BSI	-	-	18.05±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-72-NB-5 90W	STC	51.09±5%	42.48	14.65±5%	13.89	590±3%	1500	25
	BNPI	51.29±5%	42.68	16.23±5%	15.32	654±3%		
	BSI	-	-	18.17±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 95W	STC	51.19±5%	42.58	14.74±5%	13.97	595±3%	1500	25
	BNPI	51.39±5%	42.78	16.33±5%	15.40	659±3%		
	BSI	-	-	18.28±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-72-NB-6 00W	STC	51.29±5%	42.68	14.83±5%	14.06	600±3%	1500	25
	BNPI	51.49±5%	42.88	16.43±5%	15.51	665±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 05W	STC	51.49±5%	42.88	14.89±5%	14.11	605±3%	1500	25
	BNPI	51.69±5%	43.08	16.50±5%	15.55	670±3%		
	BSI	-	-	18.46±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 10W	STC	51.69±5%	43.08	14.94±5%	14.16	610±3%	1500	25
	BNPI	51.89±5%	43.28	16.55±5%	15.62	676±3%		
	BSI	-	-	18.53±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 15W	STC	51.89±5%	43.28	14.99±5%	14.21	615±3%	1500	25
	BNPI	52.09±5%	43.48	16.61±5%	15.66	681±3%		
	BSI	-	-	18.59±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	52.09±5%	43.48	15.09±5%	14.26	620±3%	1500	25

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M-72-NB-6 20W	BNPI	52.29±5%	43.68	16.72±5%	15.73	687±3%		
	BSI	-	-	18.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199- M-72-NB-6 25W	STC	52.29±5%	43.68	15.15±5%	14.31	625±3%	1500	25
	BNPI	52.49±5%	43.88	16.79±5%	15.79	693±3%		
	BSI	-	-	18.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-72-NB-6 30W	STC	52.49±5%	43.88	15.21±5%	14.36	630±3%	1500	25
	BNPI	52.69±5%	44.08	16.85±5%	15.83	698±3%		
	BSI	-	-	18.86±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-72-NB-6 35W	STC	52.69±5%	44.07	15.23±5%	14.41	635±3%	1500	25
	BNPI	52.89±5%	44.27	16.87±5%	15.90	704±3%		
	BSI	-	-	18.89±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 40W	STC	52.89±5%	44.29	15.25±5%	14.45	640±3%	1500	25
	BNPI	53.09±5%	44.49	16.90±5%	15.94	709±3%		
	BSI	-	-	18.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 45W	STC	53.09±5%	44.48	15.30±5%	14.50	645±3%	1500	25
	BNPI	53.29±5%	44.68	16.95±5%	16.00	715±3%		
	BSI	-	-	18.97±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 50W	STC	53.29±5%	44.68	15.35±5%	14.55	650±3%	1500	25
	BNPI	53.49±5%	44.88	17.01±5%	16.04	720±3%		
	BSI	-	-	19.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 55W	STC	53.49±5%	44.89	15.40±5%	14.59	655±3%	1500	25
	BNPI	53.69±5%	45.09	17.07±5%	16.10	726±3%		
	BSI	-	-	19.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199- M-66-NB-5 25W	STC	46.52±5%	38.61	14.33±5%	13.60	525±3%	1500	25
	BNPI	46.72±5%	38.81	15.88±5%	15.00	582±3%		
	BSI	-	-	17.77±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 30W	STC	46.62±5%	38.71	14.43±5%	13.69	530±3%	1500	25
	BNPI	46.82±5%	38.91	15.99±5%	15.09	587±3%		
	BSI	-	-	17.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 35W	STC	46.72±5%	38.81	14.53±5%	13.79	535±3%	1500	25
	BNPI	46.92±5%	39.01	16.10±5%	15.20	593±3%		
	BSI	-	-	18.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 40W	STC	46.82±5%	38.91	14.63±5%	13.88	540±3%	1500	25
	BNPI	47.02±5%	39.11	16.21±5%	15.29	598±3%		

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	BSI	-	-	18.14±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 45W	STC	46.92±5%	39.01	14.73±5%	13.97	545±3%	1500	25
	BNPI	47.12±5%	39.21	16.32±5%	15.40	604±3%		
	BSI	-	-	18.27±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 50W	STC	47.02±5%	39.12	14.82±5%	14.06	550±3%	1500	25
	BNPI	47.22±5%	39.32	16.42±5%	15.49	609±3%		
	BSI	-	-	18.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 55W	STC	47.22±5%	39.31	14.87±5%	14.12	555±3%	1500	25
	BNPI	47.42±5%	39.51	16.48±5%	15.57	615±3%		
	BSI	-	-	18.44±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
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LP182*199-M-66-NB-5 60W	STC	47.42±5%	39.51	15.00±5%	14.17	560±3%	1500	25
	BNPI	47.62±5%	39.71	16.62±5%	15.61	620±3%		
	BSI	-	-	18.60±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 65W	STC	47.62±5%	39.71	15.07±5%	14.23	565±3%	1500	25
	BNPI	47.82±5%	39.91	16.70±5%	15.69	626±3%		
	BSI	-	-	18.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 70W	STC	47.82±5%	39.91	15.12±5%	14.28	570±3%	1500	25
	BNPI	48.02±5%	40.11	16.75±5%	15.76	632±3%		
	BSI	-	-	18.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 75W	STC	48.02±5%	40.11	15.17±5%	14.34	575±3%	1500	25
	BNPI	48.22±5%	40.31	16.81±5%	15.80	637±3%		
	BSI	-	-	18.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	48.22±5%	40.31	15.22±5%	14.39	580±3%	1500	25

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M-66-NB-5 80W	BNPI	48.42±5%	40.51	16.86±5%	15.87	643±3%		
	BSI	-	-	18.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 85W	STC	48.42±5%	40.51	15.27±5%	14.44	585±3%	1500	25
	BNPI	48.62±5%	40.71	16.92±5%	15.92	648±3%		
	BSI	-	-	18.93±5%	-	-		
LP182*199- M-66-NB-5 90W	STC	48.62±5%	40.72	15.32±5%	14.49	590±3%	1500	25
	BNPI	48.82±5%	40.92	16.97±5%	15.98	654±3%		
	BSI	-	-	19.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199- M-66-NB-5 95W	STC	48.82±5%	40.92	15.34±5%	14.54	595±3%	1500	25
	BNPI	49.02±5%	41.12	17.00±5%	16.03	659±3%		
	BSI	-	-	19.02±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-6 00W	STC	49.02±5%	41.12	15.40±5%	14.59	600±3%	1500	25
	BNPI	49.22±5%	41.32	17.06±5%	16.09	665±3%		
	BSI	-	-	19.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 75W	STC	42.24±5%	35.07	14.28±5%	13.54	475±3%	1500	25
	BNPI	42.44±5%	35.27	15.82±5%	14.91	526±3%		
	BSI	-	-	17.70±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 80W	STC	42.34±5%	35.17	14.39±5%	13.65	480±3%	1500	25
	BNPI	42.54±5%	35.37	15.94±5%	15.04	532±3%		
	BSI	-	-	17.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 85W	STC	42.44±5%	35.27	14.50±5%	13.75	485±3%	1500	25
	BNPI	42.64±5%	35.47	16.07±5%	15.14	537±3%		
	BSI	-	-	17.98±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 90W	STC	42.54±5%	35.37	14.61±5%	13.85	490±3%	1500	25
	BNPI	42.74±5%	35.57	16.19±5%	15.27	543±3%		
	BSI	-	-	18.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 95W	STC	42.64±5%	35.47	14.72±5%	13.96	495±3%	1500	25
	BNPI	42.84±5%	35.67	16.31±5%	15.36	548±3%		
	BSI	-	-	18.26±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-60-NB-5 00W	STC	42.74±5%	35.57	14.83±5%	14.06	500±3%	1500	25
	BNPI	42.94±5%	35.77	16.43±5%	15.49	554±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	42.94±5%	35.77	14.90±5%	14.12	505±3%	1500	25

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M-60-NB-5 05W	BNPI	43.14±5%	35.97	16.51±5%	15.57	560±3%		
	BSI	-	-	18.48±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-60-NB-5 10W	STC	43.14±5%	35.97	14.96±5%	14.18	510±3%	1500	25
	BNPI	43.34±5%	36.17	16.58±5%	15.62	565±3%		
	BSI	-	-	18.55±5%	-	-		
LP182*199- M-60-NB-5 15W	STC	43.34±5%	36.17	15.02±5%	14.24	515±3%	1500	25
	BNPI	43.54±5%	36.37	16.64±5%	15.70	571±3%		
	BSI	-	-	18.62±5%	-	-		
LP182*199- M-60-NB-5 20W	STC	43.54±5%	36.37	15.09±5%	14.30	520±3%	1500	25
	BNPI	43.74±5%	36.57	16.72±5%	15.75	576±3%		
	BSI	-	-	18.71±5%	-	-		
LP182*199- M-60-NB-5 25W	STC	43.74±5%	36.56	15.15±5%	14.36	525±3%	1500	25
	BNPI	43.94±5%	36.76	16.79±5%	15.83	582±3%		

**NOTE:** This appendix is valid when used with the certificate.



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	BSI	-	-	18.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-5 30W	STC	43.94±5%	36.78	15.21±5%	14.41	530±3%	1500	25
	BNPI	44.14±5%	36.98	16.85±5%	15.87	587±3%		
	BSI	-	-	18.86±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电压[V]	额定熔断电流[A]
LP182*199-M-60-NB-5 35W	STC	44.14±5%	36.97	15.27±5%	14.47	535±3%	1500	25
	BNPI	44.34±5%	37.17	16.92±5%	15.95	593±3%		
	BSI	-	-	18.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-5 40W	STC	44.34±5%	37.17	15.34±5%	14.53	540±3%	1500	25
	BNPI	44.54±5%	37.37	17.00±5%	16.00	598±3%		
	BSI	-	-	19.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-60-NB-5 45W	STC	44.54±5%	37.38	15.37±5%	14.58	545±3%	1500	25
	BNPI	44.74±5%	37.58	17.03±5%	16.07	604±3%		
	BSI	-	-	19.06±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 30W	STC	38.07±5%	31.61	14.34±5%	13.60	430±3%	1500	25
	BNPI	38.27±5%	31.81	15.88±5%	14.96	476±3%		
	BSI	-	-	17.78±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 35W	STC	38.17±5%	31.71	14.46±5%	13.72	435±3%	1500	25
	BNPI	38.37±5%	31.91	16.02±5%	15.10	482±3%		
	BSI	-	-	17.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 40W	STC	38.27±5%	31.81	14.59±5%	13.83	440±3%	1500	25
	BNPI	38.47±5%	32.01	16.16±5%	15.25	488±3%		
	BSI	-	-	18.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-54-NB-4 45W	STC	38.37±5%	31.91	14.71±5%	13.95	445±3%	1500	25
	BNPI	38.57±5%	32.11	16.30±5%	15.35	493±3%		
	BSI	-	-	18.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-54-NB-4 50W	STC	38.47±5%	32.01	14.83±5%	14.06	450±3%	1500	25
	BNPI	38.67±5%	32.21	16.43±5%	15.49	499±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 55W	STC	38.67±5%	32.20	14.90±5%	14.13	455±3%	1500	25
	BNPI	38.87±5%	32.40	16.51±5%	15.56	504±3%		
	BSI	-	-	18.48±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 60W	STC	38.87±5%	32.41	14.97±5%	14.19	460±3%	1500	25
	BNPI	39.07±5%	32.61	16.59±5%	15.64	510±3%		

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	BSI	-	-	18.56±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 65W	STC	39.07±5%	32.61	15.04±5%	14.26	465±3%	1500	25
	BNPI	39.27±5%	32.81	16.66±5%	15.70	515±3%		
	BSI	-	-	18.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 70W	STC	39.27±5%	32.82	15.12±5%	14.32	470±3%	1500	25
	BNPI	39.47±5%	33.02	16.75±5%	15.78	521±3%		
	BSI	-	-	18.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 75W	STC	39.47±5%	33.01	15.18±5%	14.39	475±3%	1500	25
	BNPI	39.67±5%	33.21	16.82±5%	15.84	526±3%		
	BSI	-	-	18.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 80W	STC	39.67±5%	33.22	15.25±5%	14.45	480±3%	1500	25
	BNPI	39.87±5%	33.42	16.90±5%	15.92	532±3%		
	BSI	-	-	18.91±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 85W	STC	39.87±5%	33.40	15.32±5%	14.52	485±3%	1500	25
	BNPI	40.07±5%	33.60	16.97±5%	15.98	537±3%		
	BSI	-	-	19.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-5 4-NB-490W	STC	40.07±5%	33.61	15.38±5%	14.58	490±3%	1500	25
	BNPI	40.27±5%	33.81	17.04±5%	16.06	543±3%		
	BSI	-	-	19.07±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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# CERTIFICATE OF PRODUCT CERTIFICATION

## SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC23024405389

Valid from: Nov.04,2024

Valid until:Nov.03,2029

<b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND LOCATION OF THE FACTORY</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City Jiangsu Province, 215500, P.R. China
<b>PRODUCT NAME, MODEL AND SPECIFICATION</b>	PV modules See Appendix
<b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>	IEC 61215-1:2021;IEC 61215-1-1:2021;IEC 61215-2:2021
<b>TYPE OF CERTIFICATION SCHEMES</b>	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-471541-2023.

Date of original issued: Sep.26,2023

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



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组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电 压 [V]	额定熔断电 流[A]
LP210*210-M-66- MH-630W	44.78±5%	36.81	17.96±5%	17.11	630±3%	1500	30
LP210*210-M-66- MH-635W	44.98±5%	37.01	18.01±5%	17.16	635±3%	1500	30
LP210*210-M-66- MH-640W	45.18±5%	37.21	18.06±5%	17.20	640±3%	1500	30
LP210*210-M-66- MH-645W	45.38±5%	37.41	18.11±5%	17.24	645±3%	1500	30
LP210*210-M-66- MH-650W	45.58±5%	37.61	18.16±5%	17.28	650±3%	1500	30
LP210*210-M-66- MH-655W	45.78±5%	37.81	18.21±5%	17.32	655±3%	1500	30
LP210*210-M-66- MH-660W	45.98±5%	38.01	18.26±5%	17.36	660±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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LP210*210-M-66-MH-665W	46.18±5%	38.21	18.31±5%	17.40	665±3%	1500	30
LP210*210-M-60-MH-575W	40.50±5%	33.40	18.27±5%	17.22	575±3%	1500	30
LP210*210-M-60-MH-580W	40.70±5%	33.60	18.32±5%	17.26	580±3%	1500	30
LP210*210-M-60-MH-585W	40.90±5%	33.80	18.37±5%	17.30	585±3%	1500	30
LP210*210-M-60-MH-590W	41.10±5%	34.00	18.42±5%	17.35	590±3%	1500	30
LP210*210-M-60-MH-595W	41.30±5%	34.20	18.47±5%	17.40	595±3%	1500	30
LP210*210-M-60-MH-600W	41.50±5%	34.40	18.52±5%	17.44	600±3%	1500	30
LP210*210-M-60-MH-605W	41.70±5%	34.60	18.57±5%	17.49	605±3%	1500	30

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LP210*210-M-54-MH-515W	36.40±5%	30.02	17.91±5%	17.16	515±3%	1500	30
LP210*210-M-54-MH-520W	36.60±5%	30.22	17.96±5%	17.21	520±3%	1500	30
LP210*210-M-54-MH-525W	36.80±5%	30.42	18.01±5%	17.26	525±3%	1500	30
LP210*210-M-54-MH-530W	37.00±5%	30.62	18.06±5%	17.31	530±3%	1500	30
LP210*210-M-54-MH-535W	37.20±5%	30.82	18.11±5%	17.36	535±3%	1500	30
LP210*210-M-54-MH-540W	37.40±5%	31.02	18.16±5%	17.41	540±3%	1500	30
LP210*210-M-54-MH-545W	37.60±5%	31.22	18.21±5%	17.46	545±3%	1500	30
LP210*210-M-48-MH-460W	32.52±5%	26.84	17.97±5%	17.14	460±3%	1500	30
LP210*210-M-48-MH-465W	32.72±5%	27.04	18.02±5%	17.20	465±3%	1500	30
LP210*210-M-48-MH-470W	32.92±5%	27.24	18.07±5%	17.25	470±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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LP210*210-M-48-MH-475W	33.12±5%	27.44	18.12±5%	17.31	475±3%	1500	30
LP210*210-M-48-MH-480W	33.32±5%	27.64	18.17±5%	17.37	480±3%	1500	30
LP210*210-M-42-MH-400W	28.50±5%	23.46	17.81±5%	17.05	400±3%	1500	30
LP210*210-M-42-MH-405W	28.70±5%	23.66	17.86±5%	17.12	405±3%	1500	30
LP210*210-M-42-MH-410W	28.90±5%	23.86	17.91±5%	17.18	410±3%	1500	30
LP210*210-M-42-MH-415W	29.10±5%	24.06	17.96±5%	17.25	415±3%	1500	30
LP210*210-M-42-MH-420W	29.30±5%	24.26	18.01±5%	17.31	420±3%	1500	30
LP182*182-M-78-NH-580W	54.41±5%	44.55	13.58±5%	13.02	580±3%	1500	25
LP182*182-M-78-NH-585W	54.56±5%	44.73	13.65±5%	13.08	585±3%	1500	25
LP182*182-M-78-NH-590W	54.71±5%	44.87	13.72±5%	13.15	590±3%	1500	25

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LP182*182-M-78-NH-595W	54.86±5%	45.01	13.79±5%	13.22	595±3%	1500	25
LP182*182-M-78-NH-600W	55.01±5%	45.15	13.86±5%	13.29	600±3%	1500	25
LP182*182-M-78-NH-605W	55.16±5%	45.32	13.92±5%	13.35	605±3%	1500	25
LP182*182-M-78-NH-610W	55.31±5%	45.46	13.98±5%	13.42	610±3%	1500	25
LP182*182-M-78-NH-615W	55.46±5%	45.63	14.04±5%	13.48	615±3%	1500	25
LP182*182-M-78-NH-620W	55.61±5%	45.76	14.09±5%	13.55	620±3%	1500	25
LP182*182-M-78-NH-625W	55.76±5%	45.92	14.15±5%	13.61	625±3%	1500	25
LP182*182-M-72-NH-555	50.82±5%	41.73	13.87±5%	13.30	555±3%	1500	25
LP182*182-M-72-NH-560	50.97±5%	41.89	13.94±5%	13.37	560±3%	1500	25
LP182*182-M-72-NH-565	51.12±5%	42.04	13.99±5%	13.44	565±3%	1500	25

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LP182*182-M-72-NH-570	51.27±5%	42.19	14.05±5%	13.51	570±3%	1500	25
LP182*182-M-72-NH-575	51.42±5%	42.34	14.11±5%	13.58	575±3%	1500	25
LP182*182-M-72-NH-580	51.57±5%	42.49	14.18±5%	13.65	580±3%	1500	25
LP182*182-M-72-NH-585	51.72±5%	42.64	14.24±5%	13.72	585±3%	1500	25
LP182*182-M-72-NH-590	51.87±5%	42.79	14.30±5%	13.79	590±3%	1500	25
LP182*182-M-72-NH-595	52.02±5%	42.93	14.38±5%	13.86	595±3%	1500	25
LP182*182-M-72-NH-600	52.17±5%	43.08	14.43±5%	13.93	600±3%	1500	25
LP182*182-M-66-NH-510	46.64±5%	38.29	13.89±5%	13.32	510±3%	1500	25
LP182*182-M-66-NH-515	46.79±5%	38.46	13.97±5%	13.39	515±3%	1500	25
LP182*182-M-66-NH-520	46.94±5%	38.61	14.02±5%	13.47	520±3%	1500	25

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LP182*182-M-66-NH-525	47.09±5%	38.75	14.09±5%	13.55	525±3%	1500	25
LP182*182-M-66-NH-530	47.24±5%	38.92	14.14±5%	13.62	530±3%	1500	25
LP182*182-M-66-NH-535	47.39±5%	39.05	14.21±5%	13.70	535±3%	1500	25
LP182*182-M-66-NH-540	47.54±5%	39.19	14.28±5%	13.78	540±3%	1500	25
LP182*182-M-66-NH-545	47.69±5%	39.35	14.36±5%	13.85	545±3%	1500	25
LP182*182-M-66-NH-550	47.84±5%	39.51	14.43±5%	13.92	550±3%	1500	25
LP182*182-M-60-NH-460	42.30±5%	34.72	13.81±5%	13.25	460±3%	1500	25
LP182*182-M-60-NH-465	42.45±5%	34.89	13.90±5%	13.33	465±3%	1500	25
LP182*182-M-60-NH-470	42.60±5%	35.03	13.97±5%	13.42	470±3%	1500	25
LP182*182-M-60-NH-475	42.75±5%	35.19	14.04±5%	13.50	475±3%	1500	25

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LP182*182-M-60-NH-480	42.90±5%	35.32	14.12±5%	13.59	480±3%	1500	25
LP182*182-M-60-NH-485	43.05±5%	35.48	14.18±5%	13.67	485±3%	1500	25
LP182*182-M-60-NH-490	43.20±5%	35.64	14.26±5%	13.75	490±3%	1500	25
LP182*182-M-60-NH-495	43.35±5%	35.79	14.35±5%	13.83	495±3%	1500	25
LP182*182-M-60-NH-500	43.50±5%	35.92	14.44±5%	13.92	500±3%	1500	25
LP182*182-M-54-NH-410	37.97±5%	31.16	13.74±5%	13.16	410±3%	1500	25
LP182*182-M-54-NH-415	38.12±5%	31.30	13.83±5%	13.26	415±3%	1500	25
LP182*182-M-54-NH-420	38.27±5%	31.46	13.93±5%	13.35	420±3%	1500	25
LP182*182-M-54-NH-425	38.42±5%	31.60	14.00±5%	13.45	425±3%	1500	25
LP182*182-M-54-NH-430	38.57±5%	31.76	14.09±5%	13.54	430±3%	1500	25
LP182*182-M-54-NH-435	38.72±5%	31.89	14.18±5%	13.64	435±3%	1500	25
LP182*182-M-54-	38.87±5%	32.05	14.27±5%	13.73	440±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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NH-440							
LP182*182-M-54-NH-445	39.02±5%	32.20	14.36±5%	13.82	445±3%	1500	25
LP182*182-M-54-NH-450	39.17±5%	32.35	14.44±5%	13.91	450±3%	1500	25
LP182*210-M-66-NH-580W	47.25±5%	39.46	15.64±5%	14.70	580±3%	1500	25
LP182*210-M-66-NH-585W	47.55±5%	39.66	15.66±5%	14.75	585±3%	1500	25
LP182*210-M-66-NH-590W	47.85±5%	39.86	15.71±5%	14.80	590±3%	1500	25
LP182*210-M-66-NH-595W	48.15±5%	40.06	15.74±5%	14.85	595±3%	1500	25
LP182*210-M-66-NH-600W	48.45±5%	40.26	15.78±5%	14.90	600±3%	1500	25
LP182*210-M-66-NH-605W	48.75±5%	40.46	15.81±5%	14.95	605±3%	1500	25
LP182*210-M-66-NH-610W	49.05±5%	40.66	15.84±5%	15.00	610±3%	1500	25
LP182*210-M-66-NH-615W	49.35±5%	40.86	15.88±5%	15.05	615±3%	1500	25
LP182*210-M-66-NH-620W	49.55±5%	41.06	15.93±5%	15.10	620±3%	1500	25
LP182*210-M-66-NH-625W	49.75±5%	41.26	16.00±5%	15.15	625±3%	1500	25

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**PAPER:**

LP182*210-M-66-NH-630W	49.95±5%	41.46	16.05±5%	15.20	630±3%	1500	25
LP182*210-M-66-NH-635W	50.15±5%	41.66	16.11±5%	15.24	635±3%	1500	25
LP182*210-M-60-NH-530W	43.24±5%	36.00	15.63±5%	14.72	530±3%	1500	25
LP182*210-M-60-NH-535W	43.51±5%	36.20	15.68±5%	14.78	535±3%	1500	25
LP182*210-M-60-NH-540W	43.78±5%	36.40	15.71±5%	14.84	540±3%	1500	25
LP182*210-M-60-NH-545W	44.05±5%	36.60	15.77±5%	14.89	545±3%	1500	25
LP182*210-M-60-NH-550W	44.32±5%	36.80	15.81±5%	14.95	550±3%	1500	25
LP182*210-M-60-NH-555W	44.59±5%	37.00	15.86±5%	15.00	555±3%	1500	25
LP182*210-M-60-NH-560W	44.86±5%	37.20	15.90±5%	15.05	560±3%	1500	25
LP182*210-M-60-NH-565W	45.13±5%	37.40	15.94±5%	15.11	565±3%	1500	25

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LP182*210-M-60-NH-570W	45.40±5%	37.60	15.97±5%	15.16	570±3%	1500	25
LP182*210-M-60-NH-575W	45.67±5%	37.80	16.02±5%	15.21	575±3%	1500	25
LP182*210-M-54-NH-475W	38.82±5%	32.33	15.59±5%	14.69	475±3%	1500	25
LP182*210-M-54-NH-480W	39.07±5%	32.53	15.64±5%	14.76	480±3%	1500	25
LP182*210-M-54-NH-485W	39.32±5%	32.73	15.71±5%	14.82	485±3%	1500	25
LP182*210-M-54-NH-490W	39.57±5%	32.93	15.78±5%	14.88	490±3%	1500	25
LP182*210-M-54-NH-495W	39.82±5%	33.13	15.84±5%	14.94	495±3%	1500	25
LP182*210-M-54-NH-500W	40.07±5%	33.33	15.90±5%	15.00	500±3%	1500	25
LP182*210-M-54-NH-505W	40.32±5%	33.53	15.96±5%	15.06	505±3%	1500	25
LP182*210-M-54-NH-510W	40.57±5%	33.73	16.01±5%	15.12	510±3%	1500	25

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LP182*210-M-54-NH-515W	40.82±5%	33.93	16.05±5%	15.18	515±3%	1500	25
LP182*210-M-54-NH-520W	41.07±5%	34.13	16.10±5%	15.24	520±3%	1500	25
LP182*210-M-48-NH-420W	34.38±5%	28.58	15.57±5%	14.70	420±3%	1500	25
LP182*210-M-48-NH-425W	34.63±5%	28.78	15.63±5%	14.77	425±3%	1500	25
LP182*210-M-48-NH-430W	34.88±5%	28.98	15.70±5%	14.84	430±3%	1500	25
LP182*210-M-48-NH-435W	35.13±5%	29.18	15.77±5%	14.91	435±3%	1500	25
LP182*210-M-48-NH-440W	35.38±5%	29.38	15.84±5%	14.98	440±3%	1500	25
LP182*210-M-48-NH-445W	35.63±5%	29.58	15.90±5%	15.04	445±3%	1500	25
LP182*210-M-48-NH-450W	35.88±5%	29.78	15.97±5%	15.11	450±3%	1500	25
LP182*210-M-48-NH-455W	36.13±5%	29.98	16.02±5%	15.18	455±3%	1500	25
LP182*210-M-48-NH-460W	36.39±5%	30.23	16.09±5%	15.22	460±3%	1500	25
LP182*199-M-72-NH-570W	50.69±5%	42.08	14.28±5%	13.55	570±3%	1500	25
LP182*199-M-72-	50.79±5%	42.18	14.37±5%	13.63	575±3%	1500	25

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NH-575W							
LP182*199-M-72-NH-580W	50.89±5%	42.28	14.47±5%	13.72	580±3%	1500	25
LP182*199-M-72-NH-585W	50.99±5%	42.38	14.56±5%	13.80	585±3%	1500	25
LP182*199-M-72-NH-590W	51.09±5%	42.48	14.65±5%	13.89	590±3%	1500	25
LP182*199-M-72-NH-595W	51.19±5%	42.58	14.74±5%	13.97	595±3%	1500	25
LP182*199-M-72-NH-600W	51.29±5%	42.68	14.83±5%	14.06	600±3%	1500	25
LP182*199-M-72-NH-605W	51.49±5%	42.88	14.89±5%	14.11	605±3%	1500	25
LP182*199-M-72-NH-610W	51.69±5%	43.08	14.94±5%	14.16	610±3%	1500	25
LP182*199-M-72-NH-615W	51.89±5%	43.28	14.99±5%	14.21	615±3%	1500	25
LP182*199-M-72-NH-620W	52.09±5%	43.48	15.09±5%	14.26	620±3%	1500	25
LP182*199-M-72-NH-625W	52.29±5%	43.68	15.15±5%	14.31	625±3%	1500	25
LP182*199-M-72-NH-630W	52.49±5%	43.88	15.21±5%	14.36	630±3%	1500	25
LP182*199-M-72-NH-635W	52.69±5%	44.07	15.23±5%	14.41	635±3%	1500	25

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LP182*199-M-72-NH-640W	52.89±5%	44.29	15.25±5%	14.45	640±3%	1500	25
LP182*199-M-72-NH-645W	53.09±5%	44.48	15.30±5%	14.50	645±3%	1500	25
LP182*199-M-72-NH-650W	53.29±5%	44.68	15.35±5%	14.55	650±3%	1500	25
LP182*199-M-72-NH-655W	53.49±5%	44.89	15.40±5%	14.59	655±3%	1500	25
LP182*199-M-66-NH-525W	46.52±5%	38.61	14.33±5%	13.60	525±3%	1500	25
LP182*199-M-66-NH-530W	46.62±5%	38.71	14.43±5%	13.69	530±3%	1500	25
LP182*199-M-66-NH-535W	46.72±5%	38.81	14.53±5%	13.79	535±3%	1500	25
LP182*199-M-66-NH-540W	46.82±5%	38.91	14.63±5%	13.88	540±3%	1500	25
LP182*199-M-66-NH-545W	46.92±5%	39.01	14.73±5%	13.97	545±3%	1500	25
LP182*199-M-66-NH-550W	47.02±5%	39.12	14.82±5%	14.06	550±3%	1500	25
LP182*199-M-66-NH-555W	47.22±5%	39.31	14.87±5%	14.12	555±3%	1500	25
LP182*199-M-66-NH-560W	47.42±5%	39.51	15.00±5%	14.17	560±3%	1500	25
LP182*199-M-66-NH-565W	47.62±5%	39.71	15.07±5%	14.23	565±3%	1500	25

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LP182*199-M-66-NH-570W	47.82±5%	39.91	15.12±5%	14.28	570±3%	1500	25
LP182*199-M-66-NH-575W	48.02±5%	40.11	15.17±5%	14.34	575±3%	1500	25
LP182*199-M-66-NH-580W	48.22±5%	40.31	15.22±5%	14.39	580±3%	1500	25
LP182*199-M-66-NH-585W	48.42±5%	40.51	15.27±5%	14.44	585±3%	1500	25
LP182*199-M-66-NH-590W	48.62±5%	40.72	15.32±5%	14.49	590±3%	1500	25
LP182*199-M-66-NH-595W	48.82±5%	40.92	15.34±5%	14.54	595±3%	1500	25
LP182*199-M-66-NH-600W	49.02±5%	41.12	15.40±5%	14.59	600±3%	1500	25
LP182*199-M-60-NH-475W	42.24±5%	35.07	14.28±5%	13.54	475±3%	1500	25
LP182*199-M-60-NH-480W	42.34±5%	35.17	14.39±5%	13.65	480±3%	1500	25
LP182*199-M-60-NH-485W	42.44±5%	35.27	14.50±5%	13.75	485±3%	1500	25
LP182*199-M-60-NH-490W	42.54±5%	35.37	14.61±5%	13.85	490±3%	1500	25
LP182*199-M-60-NH-495W	42.64±5%	35.47	14.72±5%	13.96	495±3%	1500	25
LP182*199-M-60-NH-500W	42.74±5%	35.57	14.83±5%	14.06	500±3%	1500	25

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LP182*199-M-60-NH-505W	42.94±5%	35.77	14.90±5%	14.12	505±3%	1500	25
LP182*199-M-60-NH-510W	43.14±5%	35.97	14.96±5%	14.18	510±3%	1500	25
LP182*199-M-60-NH-515W	43.34±5%	36.17	15.02±5%	14.24	515±3%	1500	25
LP182*199-M-60-NH-520W	43.54±5%	36.37	15.09±5%	14.30	520±3%	1500	25
LP182*199-M-60-NH-525W	43.74±5%	36.56	15.15±5%	14.36	525±3%	1500	25
LP182*199-M-60-NH-530W	43.94±5%	36.78	15.21±5%	14.41	530±3%	1500	25
LP182*199-M-60-NH-535W	44.14±5%	36.97	15.27±5%	14.47	535±3%	1500	25
LP182*199-M-60-NH-540W	44.34±5%	37.17	15.34±5%	14.53	540±3%	1500	25
LP182*199-M-60-NH-545W	44.54±5%	37.38	15.37±5%	14.58	545±3%	1500	25
LP182*199-M-54-NH-430W	38.07±5%	31.61	14.34±5%	13.60	430±3%	1500	25
LP182*199-M-54-NH-435W	38.17±5%	31.71	14.46±5%	13.72	435±3%	1500	25
LP182*199-M-54-NH-440W	38.27±5%	31.81	14.59±5%	13.83	440±3%	1500	25
LP182*199-M-54-NH-445W	38.37±5%	31.91	14.71±5%	13.95	445±3%	1500	25

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LP182*199-M-54-NH-450W	38.47 ±5%	32.01	14.83 ±5%	14.06	450 ±3%	1500	25
LP182*199-M-54-NH-455W	38.67 ±5%	32.20	14.90 ±5%	14.13	455 ±3%	1500	25
LP182*199-M-54-NH-460W	38.87 ±5%	32.41	14.97 ±5%	14.19	460 ±3%	1500	25
LP182*199-M-54-NH-465W	39.07 ±5%	32.61	15.04 ±5%	14.26	465 ±3%	1500	25
LP182*199-M-54-NH-470W	39.27 ±5%	32.82	15.12 ±5%	14.32	470 ±3%	1500	25
LP182*199-M-54-NH-475W	39.47 ±5%	33.01	15.18 ±5%	14.39	475 ±3%	1500	25
LP182*199-M-54-NH-480W	39.67 ±5%	33.22	15.25 ±5%	14.45	480 ±3%	1500	25
LP182*199-M-54-NH-485W	39.87 ±5%	33.40	15.32 ±5%	14.52	485 ±3%	1500	25
LP182*199-M-54-NH-490W	40.07 ±5%	33.61	15.38 ±5%	14.58	490 ±3%	1500	25
LP210*210-M-66-NH-730W	49.40 ±5%	41.41	18.74 ±5%	17.63	730 ±3%	1500	30
LP210*210-M-66-NH-725W	49.20 ±5%	41.20	18.70 ±5%	17.60	725 ±3%	1500	30
LP210*210-M-66-NH-720W	49.00 ±5%	41.00	18.65 ±5%	17.56	720 ±3%	1500	30
LP210*210-M-66-NH-715W	48.80 ±5%	40.80	18.61 ±5%	17.52	715 ±3%	1500	30

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LP210*210-M-66-NH-710W	48.60±5%	40.60	18.57±5%	17.49	710±3%	1500	30
LP210*210-M-66-NH-705W	48.40±5%	40.40	18.52±5%	17.45	705±3%	1500	30
LP210*210-M-66-NH-700W	48.20±5%	40.20	18.48±5%	17.41	700±3%	1500	30
LP210*210-M-66-NH-695W	48.00±5%	40.00	18.40±5%	17.38	695±3%	1500	30
LP210*210-M-66-NH-690W	47.80±5%	39.80	18.30±5%	17.34	690±3%	1500	30
LP210*210-M-66-NH-685W	47.60±5%	39.60	18.25±5%	17.30	685±3%	1500	30
LP210*210-M-66-NH-680W	47.40±5%	39.40	18.18±5%	17.26	680±3%	1500	30
LP210*210-M-66-NH-675W	47.20±5%	39.20	18.14±5%	17.22	675±3%	1500	30
LP210*210-M-60-NH-665W	45.00±5%	37.70	18.74±5%	17.64	665±3%	1500	30
LP210*210-M-60-NH-660W	44.80±5%	37.50	18.69±5%	17.60	660±3%	1500	30
LP210*210-M-60-NH-655W	44.60±5%	37.30	18.64±5%	17.56	655±3%	1500	30
LP210*210-M-60-NH-650W	44.40±5%	37.10	18.59±5%	17.52	650±3%	1500	30
LP210*210-M-60-NH-645W	44.20±5%	36.90	18.55±5%	17.48	645±3%	1500	30

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LP210*210-M-60-NH-640W	44.00±5%	36.70	18.49±5%	17.44	640±3%	1500	30
LP210*210-M-60-NH-635W	43.80±5%	36.50	18.44±5%	17.40	635±3%	1500	30
LP210*210-M-60-NH-630W	43.60±5%	36.30	18.36±5%	17.36	630±3%	1500	30
LP210*210-M-60-NH-625W	43.40±5%	36.10	18.25±5%	17.31	625±3%	1500	30
LP210*210-M-60-NH-620W	43.20±5%	35.90	18.19±5%	17.27	620±3%	1500	30
LP210*210-M-60-NH-615W	43.00±5%	35.70	18.14±5%	17.23	615±3%	1500	30
LP210*210-M-54-NH-595W	40.40±5%	33.80	18.68±5%	17.60	595±3%	1500	30
LP210*210-M-54-NH-590W	40.20±5%	33.60	18.62±5%	17.56	590±3%	1500	30
LP210*210-M-54-NH-585W	40.00±5%	33.40	18.56±5%	17.51	585±3%	1500	30
LP210*210-M-54-NH-580W	39.80±5%	33.20	18.52±5%	17.47	580±3%	1500	30
LP210*210-M-54-NH-575W	39.60±5%	33.00	18.46±5%	17.42	575±3%	1500	30
LP210*210-M-54-NH-570W	39.40±5%	32.80	18.41±5%	17.38	570±3%	1500	30
LP210*210-M-54-NH-565W	39.20±5%	32.60	18.27±5%	17.33	565±3%	1500	30

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LP210*210-M-54-NH-560W	39.00±5%	32.40	18.21±5%	17.28	560±3%	1500	30
LP210*210-M-54-NH-555W	38.80±5%	32.20	18.15±5%	17.24	555±3%	1500	30
LP210*210-M-48-NH-530W	35.93±5%	30.03	18.72±5%	17.65	530±3%	1500	30
LP210*210-M-48-NH-525W	35.70±5%	29.80	18.67±5%	17.62	525±3%	1500	30
LP210*210-M-48-NH-520W	35.50±5%	29.60	18.61±5%	17.57	520±3%	1500	30
LP210*210-M-48-NH-515W	35.30±5%	29.40	18.54±5%	17.52	515±3%	1500	30
LP210*210-M-48-NH-510W	35.10±5%	29.20	18.49±5%	17.47	510±3%	1500	30
LP210*210-M-48-NH-505W	34.90±5%	29.00	18.39±5%	17.41	505±3%	1500	30
LP210*210-M-48-NH-500W	34.70±5%	28.80	18.27±5%	17.36	500±3%	1500	30
LP210*210-M-48-NH-495W	34.50±5%	28.60	18.18±5%	17.31	495±3%	1500	30
LP210*210-M-48-NH-490W	34.30±5%	28.40	18.12±5%	17.25	490±3%	1500	30
LP210*210-M-42-NH-465W	31.40±5%	26.35	18.75±5%	17.65	465±3%	1500	30
LP210*210-M-42-NH-460W	31.20±5%	26.20	18.70±5%	17.56	460±3%	1500	30

NOTE: This appendix is valid when used with the certificate.



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# CERTIFICATE OF PRODUCT CERTIFICATION

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**PAPER:**

LP210*210-M-42-NH-455W	31.00±5%	26.00	18.63±5%	17.50	455±3%	1500	30
LP210*210-M-42-NH-450W	30.80±5%	25.80	18.58±5%	17.44	450±3%	1500	30
LP210*210-M-42-NH-445W	30.60±5%	25.60	18.50±5%	17.38	445±3%	1500	30
LP210*210-M-42-NH-440W	30.40±5%	25.40	18.34±5%	17.32	440±3%	1500	30
LP210*210-M-42-NH-435W	30.20±5%	25.20	18.27±5%	17.26	435±3%	1500	30
LP210*210-M-42-NH-430W	30.00±5%	25.00	18.18±5%	17.20	430±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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# CERTIFICATE OF PRODUCT CERTIFICATION

## SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC23024405390

Valid from: Nov.04,2024

Valid until:Nov.03,2029

<b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND LOCATION OF THE FACTORY</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City Jiangsu Province, 215500, P.R. China
<b>PRODUCT NAME, MODEL AND SPECIFICATION</b>	PV modules See Appendix
<b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>	IEC61730-1:2023;IEC 61730-2:2023
<b>TYPE OF CERTIFICATION SCHEMES</b>	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-471541-2023.

Date of original issued: Sep.26,2023

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



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组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电 压 [V]	额定熔断电 流[A]
LP210*210-M-66- MH-630W	44.78±5%	36.81	17.96±5%	17.11	630±3%	1500	30
LP210*210-M-66- MH-635W	44.98±5%	37.01	18.01±5%	17.16	635±3%	1500	30
LP210*210-M-66- MH-640W	45.18±5%	37.21	18.06±5%	17.20	640±3%	1500	30
LP210*210-M-66- MH-645W	45.38±5%	37.41	18.11±5%	17.24	645±3%	1500	30
LP210*210-M-66- MH-650W	45.58±5%	37.61	18.16±5%	17.28	650±3%	1500	30
LP210*210-M-66- MH-655W	45.78±5%	37.81	18.21±5%	17.32	655±3%	1500	30
LP210*210-M-66- MH-660W	45.98±5%	38.01	18.26±5%	17.36	660±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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LP210*210-M-66-MH-665W	46.18±5%	38.21	18.31±5%	17.40	665±3%	1500	30
LP210*210-M-60-MH-575W	40.50±5%	33.40	18.27±5%	17.22	575±3%	1500	30
LP210*210-M-60-MH-580W	40.70±5%	33.60	18.32±5%	17.26	580±3%	1500	30
LP210*210-M-60-MH-585W	40.90±5%	33.80	18.37±5%	17.30	585±3%	1500	30
LP210*210-M-60-MH-590W	41.10±5%	34.00	18.42±5%	17.35	590±3%	1500	30
LP210*210-M-60-MH-595W	41.30±5%	34.20	18.47±5%	17.40	595±3%	1500	30
LP210*210-M-60-MH-600W	41.50±5%	34.40	18.52±5%	17.44	600±3%	1500	30
LP210*210-M-60-MH-605W	41.70±5%	34.60	18.57±5%	17.49	605±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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**PAPER:**

LP210*210-M-54-MH-515W	36.40±5%	30.02	17.91±5%	17.16	515±3%	1500	30
LP210*210-M-54-MH-520W	36.60±5%	30.22	17.96±5%	17.21	520±3%	1500	30
LP210*210-M-54-MH-525W	36.80±5%	30.42	18.01±5%	17.26	525±3%	1500	30
LP210*210-M-54-MH-530W	37.00±5%	30.62	18.06±5%	17.31	530±3%	1500	30
LP210*210-M-54-MH-535W	37.20±5%	30.82	18.11±5%	17.36	535±3%	1500	30
LP210*210-M-54-MH-540W	37.40±5%	31.02	18.16±5%	17.41	540±3%	1500	30
LP210*210-M-54-MH-545W	37.60±5%	31.22	18.21±5%	17.46	545±3%	1500	30
LP210*210-M-48-MH-460W	32.52±5%	26.84	17.97±5%	17.14	460±3%	1500	30
LP210*210-M-48-MH-465W	32.72±5%	27.04	18.02±5%	17.20	465±3%	1500	30
LP210*210-M-48-MH-470W	32.92±5%	27.24	18.07±5%	17.25	470±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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**PAPER:**

LP210*210-M-48-MH-475W	33.12±5%	27.44	18.12±5%	17.31	475±3%	1500	30
LP210*210-M-48-MH-480W	33.32±5%	27.64	18.17±5%	17.37	480±3%	1500	30
LP210*210-M-42-MH-400W	28.50±5%	23.46	17.81±5%	17.05	400±3%	1500	30
LP210*210-M-42-MH-405W	28.70±5%	23.66	17.86±5%	17.12	405±3%	1500	30
LP210*210-M-42-MH-410W	28.90±5%	23.86	17.91±5%	17.18	410±3%	1500	30
LP210*210-M-42-MH-415W	29.10±5%	24.06	17.96±5%	17.25	415±3%	1500	30
LP210*210-M-42-MH-420W	29.30±5%	24.26	18.01±5%	17.31	420±3%	1500	30
LP182*182-M-78-NH-580W	54.41±5%	44.55	13.58±5%	13.02	580±3%	1500	25
LP182*182-M-78-NH-585W	54.56±5%	44.73	13.65±5%	13.08	585±3%	1500	25
LP182*182-M-78-NH-590W	54.71±5%	44.87	13.72±5%	13.15	590±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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**PAPER:**

LP182*182-M-78-NH-595W	54.86±5%	45.01	13.79±5%	13.22	595±3%	1500	25
LP182*182-M-78-NH-600W	55.01±5%	45.15	13.86±5%	13.29	600±3%	1500	25
LP182*182-M-78-NH-605W	55.16±5%	45.32	13.92±5%	13.35	605±3%	1500	25
LP182*182-M-78-NH-610W	55.31±5%	45.46	13.98±5%	13.42	610±3%	1500	25
LP182*182-M-78-NH-615W	55.46±5%	45.63	14.04±5%	13.48	615±3%	1500	25
LP182*182-M-78-NH-620W	55.61±5%	45.76	14.09±5%	13.55	620±3%	1500	25
LP182*182-M-78-NH-625W	55.76±5%	45.92	14.15±5%	13.61	625±3%	1500	25
LP182*182-M-72-NH-555	50.82±5%	41.73	13.87±5%	13.30	555±3%	1500	25
LP182*182-M-72-NH-560	50.97±5%	41.89	13.94±5%	13.37	560±3%	1500	25
LP182*182-M-72-NH-565	51.12±5%	42.04	13.99±5%	13.44	565±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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LP182*182-M-72-NH-570	51.27±5%	42.19	14.05±5%	13.51	570±3%	1500	25
LP182*182-M-72-NH-575	51.42±5%	42.34	14.11±5%	13.58	575±3%	1500	25
LP182*182-M-72-NH-580	51.57±5%	42.49	14.18±5%	13.65	580±3%	1500	25
LP182*182-M-72-NH-585	51.72±5%	42.64	14.24±5%	13.72	585±3%	1500	25
LP182*182-M-72-NH-590	51.87±5%	42.79	14.30±5%	13.79	590±3%	1500	25
LP182*182-M-72-NH-595	52.02±5%	42.93	14.38±5%	13.86	595±3%	1500	25
LP182*182-M-72-NH-600	52.17±5%	43.08	14.43±5%	13.93	600±3%	1500	25
LP182*182-M-66-NH-510	46.64±5%	38.29	13.89±5%	13.32	510±3%	1500	25
LP182*182-M-66-NH-515	46.79±5%	38.46	13.97±5%	13.39	515±3%	1500	25
LP182*182-M-66-NH-520	46.94±5%	38.61	14.02±5%	13.47	520±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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LP182*182-M-66-NH-525	47.09±5%	38.75	14.09±5%	13.55	525±3%	1500	25
LP182*182-M-66-NH-530	47.24±5%	38.92	14.14±5%	13.62	530±3%	1500	25
LP182*182-M-66-NH-535	47.39±5%	39.05	14.21±5%	13.70	535±3%	1500	25
LP182*182-M-66-NH-540	47.54±5%	39.19	14.28±5%	13.78	540±3%	1500	25
LP182*182-M-66-NH-545	47.69±5%	39.35	14.36±5%	13.85	545±3%	1500	25
LP182*182-M-66-NH-550	47.84±5%	39.51	14.43±5%	13.92	550±3%	1500	25
LP182*182-M-60-NH-460	42.30±5%	34.72	13.81±5%	13.25	460±3%	1500	25
LP182*182-M-60-NH-465	42.45±5%	34.89	13.90±5%	13.33	465±3%	1500	25
LP182*182-M-60-NH-470	42.60±5%	35.03	13.97±5%	13.42	470±3%	1500	25
LP182*182-M-60-NH-475	42.75±5%	35.19	14.04±5%	13.50	475±3%	1500	25

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**PAPER:**

LP182*182-M-60-NH-480	42.90±5%	35.32	14.12±5%	13.59	480±3%	1500	25
LP182*182-M-60-NH-485	43.05±5%	35.48	14.18±5%	13.67	485±3%	1500	25
LP182*182-M-60-NH-490	43.20±5%	35.64	14.26±5%	13.75	490±3%	1500	25
LP182*182-M-60-NH-495	43.35±5%	35.79	14.35±5%	13.83	495±3%	1500	25
LP182*182-M-60-NH-500	43.50±5%	35.92	14.44±5%	13.92	500±3%	1500	25
LP182*182-M-54-NH-410	37.97±5%	31.16	13.74±5%	13.16	410±3%	1500	25
LP182*182-M-54-NH-415	38.12±5%	31.30	13.83±5%	13.26	415±3%	1500	25
LP182*182-M-54-NH-420	38.27±5%	31.46	13.93±5%	13.35	420±3%	1500	25
LP182*182-M-54-NH-425	38.42±5%	31.60	14.00±5%	13.45	425±3%	1500	25
LP182*182-M-54-NH-430	38.57±5%	31.76	14.09±5%	13.54	430±3%	1500	25
LP182*182-M-54-NH-435	38.72±5%	31.89	14.18±5%	13.64	435±3%	1500	25
LP182*182-M-54-	38.87±5%	32.05	14.27±5%	13.73	440±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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NH-440							
LP182*182-M-54-NH-445	39.02±5%	32.20	14.36±5%	13.82	445±3%	1500	25
LP182*182-M-54-NH-450	39.17±5%	32.35	14.44±5%	13.91	450±3%	1500	25
LP182*210-M-66-NH-580W	47.25±5%	39.46	15.64±5%	14.70	580±3%	1500	25
LP182*210-M-66-NH-585W	47.55±5%	39.66	15.66±5%	14.75	585±3%	1500	25
LP182*210-M-66-NH-590W	47.85±5%	39.86	15.71±5%	14.80	590±3%	1500	25
LP182*210-M-66-NH-595W	48.15±5%	40.06	15.74±5%	14.85	595±3%	1500	25
LP182*210-M-66-NH-600W	48.45±5%	40.26	15.78±5%	14.90	600±3%	1500	25
LP182*210-M-66-NH-605W	48.75±5%	40.46	15.81±5%	14.95	605±3%	1500	25
LP182*210-M-66-NH-610W	49.05±5%	40.66	15.84±5%	15.00	610±3%	1500	25
LP182*210-M-66-NH-615W	49.35±5%	40.86	15.88±5%	15.05	615±3%	1500	25
LP182*210-M-66-NH-620W	49.55±5%	41.06	15.93±5%	15.10	620±3%	1500	25
LP182*210-M-66-NH-625W	49.75±5%	41.26	16.00±5%	15.15	625±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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**PAPER:**

LP182*210-M-66-NH-630W	49.95±5%	41.46	16.05±5%	15.20	630±3%	1500	25
LP182*210-M-66-NH-635W	50.15±5%	41.66	16.11±5%	15.24	635±3%	1500	25
LP182*210-M-60-NH-530W	43.24±5%	36.00	15.63±5%	14.72	530±3%	1500	25
LP182*210-M-60-NH-535W	43.51±5%	36.20	15.68±5%	14.78	535±3%	1500	25
LP182*210-M-60-NH-540W	43.78±5%	36.40	15.71±5%	14.84	540±3%	1500	25
LP182*210-M-60-NH-545W	44.05±5%	36.60	15.77±5%	14.89	545±3%	1500	25
LP182*210-M-60-NH-550W	44.32±5%	36.80	15.81±5%	14.95	550±3%	1500	25
LP182*210-M-60-NH-555W	44.59±5%	37.00	15.86±5%	15.00	555±3%	1500	25
LP182*210-M-60-NH-560W	44.86±5%	37.20	15.90±5%	15.05	560±3%	1500	25
LP182*210-M-60-NH-565W	45.13±5%	37.40	15.94±5%	15.11	565±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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LP182*210-M-60-NH-570W	45.40±5%	37.60	15.97±5%	15.16	570±3%	1500	25
LP182*210-M-60-NH-575W	45.67±5%	37.80	16.02±5%	15.21	575±3%	1500	25
LP182*210-M-54-NH-475W	38.82±5%	32.33	15.59±5%	14.69	475±3%	1500	25
LP182*210-M-54-NH-480W	39.07±5%	32.53	15.64±5%	14.76	480±3%	1500	25
LP182*210-M-54-NH-485W	39.32±5%	32.73	15.71±5%	14.82	485±3%	1500	25
LP182*210-M-54-NH-490W	39.57±5%	32.93	15.78±5%	14.88	490±3%	1500	25
LP182*210-M-54-NH-495W	39.82±5%	33.13	15.84±5%	14.94	495±3%	1500	25
LP182*210-M-54-NH-500W	40.07±5%	33.33	15.90±5%	15.00	500±3%	1500	25
LP182*210-M-54-NH-505W	40.32±5%	33.53	15.96±5%	15.06	505±3%	1500	25
LP182*210-M-54-NH-510W	40.57±5%	33.73	16.01±5%	15.12	510±3%	1500	25

NOTE: This appendix is valid when used with the certificate.



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PAPER:

LP182*210-M-54-NH-515W	40.82±5%	33.93	16.05±5%	15.18	515±3%	1500	25
LP182*210-M-54-NH-520W	41.07±5%	34.13	16.10±5%	15.24	520±3%	1500	25
LP182*210-M-48-NH-420W	34.38±5%	28.58	15.57±5%	14.70	420±3%	1500	25
LP182*210-M-48-NH-425W	34.63±5%	28.78	15.63±5%	14.77	425±3%	1500	25
LP182*210-M-48-NH-430W	34.88±5%	28.98	15.70±5%	14.84	430±3%	1500	25
LP182*210-M-48-NH-435W	35.13±5%	29.18	15.77±5%	14.91	435±3%	1500	25
LP182*210-M-48-NH-440W	35.38±5%	29.38	15.84±5%	14.98	440±3%	1500	25
LP182*210-M-48-NH-445W	35.63±5%	29.58	15.90±5%	15.04	445±3%	1500	25
LP182*210-M-48-NH-450W	35.88±5%	29.78	15.97±5%	15.11	450±3%	1500	25
LP182*210-M-48-NH-455W	36.13±5%	29.98	16.02±5%	15.18	455±3%	1500	25
LP182*210-M-48-NH-460W	36.39±5%	30.23	16.09±5%	15.22	460±3%	1500	25
LP182*199-M-72-NH-570W	50.69±5%	42.08	14.28±5%	13.55	570±3%	1500	25
LP182*199-M-72-	50.79±5%	42.18	14.37±5%	13.63	575±3%	1500	25

NOTE: This appendix is valid when used with the certificate.



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NH-575W							
LP182*199-M-72-NH-580W	50.89±5%	42.28	14.47±5%	13.72	580±3%	1500	25
LP182*199-M-72-NH-585W	50.99±5%	42.38	14.56±5%	13.80	585±3%	1500	25
LP182*199-M-72-NH-590W	51.09±5%	42.48	14.65±5%	13.89	590±3%	1500	25
LP182*199-M-72-NH-595W	51.19±5%	42.58	14.74±5%	13.97	595±3%	1500	25
LP182*199-M-72-NH-600W	51.29±5%	42.68	14.83±5%	14.06	600±3%	1500	25
LP182*199-M-72-NH-605W	51.49±5%	42.88	14.89±5%	14.11	605±3%	1500	25
LP182*199-M-72-NH-610W	51.69±5%	43.08	14.94±5%	14.16	610±3%	1500	25
LP182*199-M-72-NH-615W	51.89±5%	43.28	14.99±5%	14.21	615±3%	1500	25
LP182*199-M-72-NH-620W	52.09±5%	43.48	15.09±5%	14.26	620±3%	1500	25
LP182*199-M-72-NH-625W	52.29±5%	43.68	15.15±5%	14.31	625±3%	1500	25
LP182*199-M-72-NH-630W	52.49±5%	43.88	15.21±5%	14.36	630±3%	1500	25
LP182*199-M-72-NH-635W	52.69±5%	44.07	15.23±5%	14.41	635±3%	1500	25

NOTE: This appendix is valid when used with the certificate.



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## SOLAR PRODUCT CERTIFICATE

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LP182*199-M-72-NH-640W	52.89±5%	44.29	15.25±5%	14.45	640±3%	1500	25
LP182*199-M-72-NH-645W	53.09±5%	44.48	15.30±5%	14.50	645±3%	1500	25
LP182*199-M-72-NH-650W	53.29±5%	44.68	15.35±5%	14.55	650±3%	1500	25
LP182*199-M-72-NH-655W	53.49±5%	44.89	15.40±5%	14.59	655±3%	1500	25
LP182*199-M-66-NH-525W	46.52±5%	38.61	14.33±5%	13.60	525±3%	1500	25
LP182*199-M-66-NH-530W	46.62±5%	38.71	14.43±5%	13.69	530±3%	1500	25
LP182*199-M-66-NH-535W	46.72±5%	38.81	14.53±5%	13.79	535±3%	1500	25
LP182*199-M-66-NH-540W	46.82±5%	38.91	14.63±5%	13.88	540±3%	1500	25
LP182*199-M-66-NH-545W	46.92±5%	39.01	14.73±5%	13.97	545±3%	1500	25
LP182*199-M-66-NH-550W	47.02±5%	39.12	14.82±5%	14.06	550±3%	1500	25
LP182*199-M-66-NH-555W	47.22±5%	39.31	14.87±5%	14.12	555±3%	1500	25
LP182*199-M-66-NH-560W	47.42±5%	39.51	15.00±5%	14.17	560±3%	1500	25
LP182*199-M-66-NH-565W	47.62±5%	39.71	15.07±5%	14.23	565±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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LP182*199-M-66-NH-570W	47.82±5%	39.91	15.12±5%	14.28	570±3%	1500	25
LP182*199-M-66-NH-575W	48.02±5%	40.11	15.17±5%	14.34	575±3%	1500	25
LP182*199-M-66-NH-580W	48.22±5%	40.31	15.22±5%	14.39	580±3%	1500	25
LP182*199-M-66-NH-585W	48.42±5%	40.51	15.27±5%	14.44	585±3%	1500	25
LP182*199-M-66-NH-590W	48.62±5%	40.72	15.32±5%	14.49	590±3%	1500	25
LP182*199-M-66-NH-595W	48.82±5%	40.92	15.34±5%	14.54	595±3%	1500	25
LP182*199-M-66-NH-600W	49.02±5%	41.12	15.40±5%	14.59	600±3%	1500	25
LP182*199-M-60-NH-475W	42.24±5%	35.07	14.28±5%	13.54	475±3%	1500	25
LP182*199-M-60-NH-480W	42.34±5%	35.17	14.39±5%	13.65	480±3%	1500	25
LP182*199-M-60-NH-485W	42.44±5%	35.27	14.50±5%	13.75	485±3%	1500	25
LP182*199-M-60-NH-490W	42.54±5%	35.37	14.61±5%	13.85	490±3%	1500	25
LP182*199-M-60-NH-495W	42.64±5%	35.47	14.72±5%	13.96	495±3%	1500	25
LP182*199-M-60-NH-500W	42.74±5%	35.57	14.83±5%	14.06	500±3%	1500	25

**NOTE:** This appendix is valid when used with the certificate.



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LP182*199-M-60-NH-505W	42.94±5%	35.77	14.90±5%	14.12	505±3%	1500	25
LP182*199-M-60-NH-510W	43.14±5%	35.97	14.96±5%	14.18	510±3%	1500	25
LP182*199-M-60-NH-515W	43.34±5%	36.17	15.02±5%	14.24	515±3%	1500	25
LP182*199-M-60-NH-520W	43.54±5%	36.37	15.09±5%	14.30	520±3%	1500	25
LP182*199-M-60-NH-525W	43.74±5%	36.56	15.15±5%	14.36	525±3%	1500	25
LP182*199-M-60-NH-530W	43.94±5%	36.78	15.21±5%	14.41	530±3%	1500	25
LP182*199-M-60-NH-535W	44.14±5%	36.97	15.27±5%	14.47	535±3%	1500	25
LP182*199-M-60-NH-540W	44.34±5%	37.17	15.34±5%	14.53	540±3%	1500	25
LP182*199-M-60-NH-545W	44.54±5%	37.38	15.37±5%	14.58	545±3%	1500	25
LP182*199-M-54-NH-430W	38.07±5%	31.61	14.34±5%	13.60	430±3%	1500	25
LP182*199-M-54-NH-435W	38.17±5%	31.71	14.46±5%	13.72	435±3%	1500	25
LP182*199-M-54-NH-440W	38.27±5%	31.81	14.59±5%	13.83	440±3%	1500	25
LP182*199-M-54-NH-445W	38.37±5%	31.91	14.71±5%	13.95	445±3%	1500	25

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LP182*199-M-54-NH-450W	38.47 ±5%	32.01	14.83 ±5%	14.06	450 ±3%	1500	25
LP182*199-M-54-NH-455W	38.67 ±5%	32.20	14.90 ±5%	14.13	455 ±3%	1500	25
LP182*199-M-54-NH-460W	38.87 ±5%	32.41	14.97 ±5%	14.19	460 ±3%	1500	25
LP182*199-M-54-NH-465W	39.07 ±5%	32.61	15.04 ±5%	14.26	465 ±3%	1500	25
LP182*199-M-54-NH-470W	39.27 ±5%	32.82	15.12 ±5%	14.32	470 ±3%	1500	25
LP182*199-M-54-NH-475W	39.47 ±5%	33.01	15.18 ±5%	14.39	475 ±3%	1500	25
LP182*199-M-54-NH-480W	39.67 ±5%	33.22	15.25 ±5%	14.45	480 ±3%	1500	25
LP182*199-M-54-NH-485W	39.87 ±5%	33.40	15.32 ±5%	14.52	485 ±3%	1500	25
LP182*199-M-54-NH-490W	40.07 ±5%	33.61	15.38 ±5%	14.58	490 ±3%	1500	25
LP210*210-M-66-NH-730W	49.40 ±5%	41.41	18.74 ±5%	17.63	730 ±3%	1500	30
LP210*210-M-66-NH-725W	49.20 ±5%	41.20	18.70 ±5%	17.60	725 ±3%	1500	30
LP210*210-M-66-NH-720W	49.00 ±5%	41.00	18.65 ±5%	17.56	720 ±3%	1500	30
LP210*210-M-66-NH-715W	48.80 ±5%	40.80	18.61 ±5%	17.52	715 ±3%	1500	30

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LP210*210-M-66-NH-710W	48.60±5%	40.60	18.57±5%	17.49	710±3%	1500	30
LP210*210-M-66-NH-705W	48.40±5%	40.40	18.52±5%	17.45	705±3%	1500	30
LP210*210-M-66-NH-700W	48.20±5%	40.20	18.48±5%	17.41	700±3%	1500	30
LP210*210-M-66-NH-695W	48.00±5%	40.00	18.40±5%	17.38	695±3%	1500	30
LP210*210-M-66-NH-690W	47.80±5%	39.80	18.30±5%	17.34	690±3%	1500	30
LP210*210-M-66-NH-685W	47.60±5%	39.60	18.25±5%	17.30	685±3%	1500	30
LP210*210-M-66-NH-680W	47.40±5%	39.40	18.18±5%	17.26	680±3%	1500	30
LP210*210-M-66-NH-675W	47.20±5%	39.20	18.14±5%	17.22	675±3%	1500	30
LP210*210-M-60-NH-665W	45.00±5%	37.70	18.74±5%	17.64	665±3%	1500	30
LP210*210-M-60-NH-660W	44.80±5%	37.50	18.69±5%	17.60	660±3%	1500	30
LP210*210-M-60-NH-655W	44.60±5%	37.30	18.64±5%	17.56	655±3%	1500	30
LP210*210-M-60-NH-650W	44.40±5%	37.10	18.59±5%	17.52	650±3%	1500	30
LP210*210-M-60-NH-645W	44.20±5%	36.90	18.55±5%	17.48	645±3%	1500	30

NOTE: This appendix is valid when used with the certificate.



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LP210*210-M-60-NH-640W	44.00±5%	36.70	18.49±5%	17.44	640±3%	1500	30
LP210*210-M-60-NH-635W	43.80±5%	36.50	18.44±5%	17.40	635±3%	1500	30
LP210*210-M-60-NH-630W	43.60±5%	36.30	18.36±5%	17.36	630±3%	1500	30
LP210*210-M-60-NH-625W	43.40±5%	36.10	18.25±5%	17.31	625±3%	1500	30
LP210*210-M-60-NH-620W	43.20±5%	35.90	18.19±5%	17.27	620±3%	1500	30
LP210*210-M-60-NH-615W	43.00±5%	35.70	18.14±5%	17.23	615±3%	1500	30
LP210*210-M-54-NH-595W	40.40±5%	33.80	18.68±5%	17.60	595±3%	1500	30
LP210*210-M-54-NH-590W	40.20±5%	33.60	18.62±5%	17.56	590±3%	1500	30
LP210*210-M-54-NH-585W	40.00±5%	33.40	18.56±5%	17.51	585±3%	1500	30
LP210*210-M-54-NH-580W	39.80±5%	33.20	18.52±5%	17.47	580±3%	1500	30
LP210*210-M-54-NH-575W	39.60±5%	33.00	18.46±5%	17.42	575±3%	1500	30
LP210*210-M-54-NH-570W	39.40±5%	32.80	18.41±5%	17.38	570±3%	1500	30
LP210*210-M-54-NH-565W	39.20±5%	32.60	18.27±5%	17.33	565±3%	1500	30

NOTE: This appendix is valid when used with the certificate.



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LP210*210-M-54-NH-560W	39.00±5%	32.40	18.21±5%	17.28	560±3%	1500	30
LP210*210-M-54-NH-555W	38.80±5%	32.20	18.15±5%	17.24	555±3%	1500	30
LP210*210-M-48-NH-530W	35.93±5%	30.03	18.72±5%	17.65	530±3%	1500	30
LP210*210-M-48-NH-525W	35.70±5%	29.80	18.67±5%	17.62	525±3%	1500	30
LP210*210-M-48-NH-520W	35.50±5%	29.60	18.61±5%	17.57	520±3%	1500	30
LP210*210-M-48-NH-515W	35.30±5%	29.40	18.54±5%	17.52	515±3%	1500	30
LP210*210-M-48-NH-510W	35.10±5%	29.20	18.49±5%	17.47	510±3%	1500	30
LP210*210-M-48-NH-505W	34.90±5%	29.00	18.39±5%	17.41	505±3%	1500	30
LP210*210-M-48-NH-500W	34.70±5%	28.80	18.27±5%	17.36	500±3%	1500	30
LP210*210-M-48-NH-495W	34.50±5%	28.60	18.18±5%	17.31	495±3%	1500	30
LP210*210-M-48-NH-490W	34.30±5%	28.40	18.12±5%	17.25	490±3%	1500	30
LP210*210-M-42-NH-465W	31.40±5%	26.35	18.75±5%	17.65	465±3%	1500	30
LP210*210-M-42-NH-460W	31.20±5%	26.20	18.70±5%	17.56	460±3%	1500	30

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LP210*210-M-42-NH-455W	31.00±5%	26.00	18.63±5%	17.50	455±3%	1500	30
LP210*210-M-42-NH-450W	30.80±5%	25.80	18.58±5%	17.44	450±3%	1500	30
LP210*210-M-42-NH-445W	30.60±5%	25.60	18.50±5%	17.38	445±3%	1500	30
LP210*210-M-42-NH-440W	30.40±5%	25.40	18.34±5%	17.32	440±3%	1500	30
LP210*210-M-42-NH-435W	30.20±5%	25.20	18.27±5%	17.26	435±3%	1500	30
LP210*210-M-42-NH-430W	30.00±5%	25.00	18.18±5%	17.20	430±3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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# CERTIFICATE OF PRODUCT CERTIFICATION

## SOLAR PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC23024405392

Valid from: Nov.11,2024

Valid until:Nov.03,2029

<b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City
<b>NAME AND LOCATION OF THE FACTORY</b>	Leapton Solar (Changshu) Co., Ltd No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, Changshu City Jiangsu Province, 215500, P.R. China
<b>PRODUCT NAME, MODEL AND SPECIFICATION</b>	PV modules See Appendix
<b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>	IEC 61215-1:2021;IEC 61215-1-1:2021;IEC 61215-2:2021
<b>TYPE OF CERTIFICATION SCHEMES</b>	Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-471541-2023.

Date of original issued: Sep.20,2023

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE

CHINA QUALITY CERTIFICATION CENTRE CO., LTD.  
Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P. R. China

Tel: +86 10 83886666  
<http://www.cqc.com.cn>



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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP210*210- M-66-NB-7 30W	STC	49.40±5%	41.41	18.74±5%	17.63	730±3%	1500	30
	BNPI	49.60±5%	41.61	20.76±5%	19.44	809±3%		
	BSI	-	-	23.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 25W	STC	49.20±5%	41.20	18.70±5%	17.60	725±3%	1500	30
	BNPI	49.40±5%	41.40	20.71±5%	19.40	803±3%		
	BSI	-	-	23.18±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 20W	STC	49.00±5%	41.00	18.65±5%	17.56	720±3%	1500	30
	BNPI	49.20±5%	41.20	20.67±5%	19.37	798±3%		
	BSI	-	-	23.13±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-7 15W	STC	48.80±5%	40.80	18.61±5%	17.52	715±3%	1500	30
	BNPI	49.00±5%	41.00	20.62±5%	19.32	792±3%		
	BSI	-	-	23.08±5%	-	-		

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	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 10W	STC	48.60 $\pm$ 5%	40.60	18.57 $\pm$ 5%	17.49	710 $\pm$ 3%	1500	30
	BNPI	48.80 $\pm$ 5%	40.80	20.57 $\pm$ 5%	19.29	787 $\pm$ 3%		
	BSI	-	-	23.02 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 05W	STC	48.40 $\pm$ 5%	40.40	18.52 $\pm$ 5%	17.45	705 $\pm$ 3%	1500	30
	BNPI	48.60 $\pm$ 5%	40.60	20.52 $\pm$ 5%	19.24	781 $\pm$ 3%		
	BSI	-	-	22.97 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP210*210-M-66-NB-7 00W	STC	48.20 $\pm$ 5%	40.20	18.48 $\pm$ 5%	17.41	700 $\pm$ 3%	1500	30
	BNPI	48.40 $\pm$ 5%	40.40	20.47 $\pm$ 5%	19.21	776 $\pm$ 3%		
	BSI	-	-	22.91 $\pm$ 5%	-	-		
	$\phi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断 电流[A]
LP210*210-	STC	48.00 $\pm$ 5%	40.00	18.40 $\pm$ 5%	17.38	695 $\pm$ 3%	1500	30

**NOTE:** This appendix is valid when used with the certificate.



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M-66-NB-6 95W	BNPI	48.20±5%	40.20	20.38±5%	19.15	770±3%		
	BSI	-	-	22.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 90W	STC	47.80±5%	39.80	18.30±5%	17.34	690±3%	1500	30
	BNPI	48.00±5%	40.00	20.27±5%	19.13	765±3%		
	BSI	-	-	22.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 85W	STC	47.60±5%	39.60	18.25±5%	17.30	685±3%	1500	30
	BNPI	47.80±5%	39.80	20.22±5%	19.07	759±3%		
	BSI	-	-	22.63±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-66-NB-6 80W	STC	47.40±5%	39.40	18.18±5%	17.26	680±3%	1500	30
	BNPI	47.60±5%	39.60	20.14±5%	19.02	753±3%		
	BSI	-	-	22.54±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-66-NB-6 75W	STC	47.20±5%	39.20	18.14±5%	17.22	675±3%	1500	30
	BNPI	47.40±5%	39.40	20.10±5%	18.98	748±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-66-NB-6 70W	STC	47.00±5%	39.00	18.09±5%	17.18	670±3%	1500	30
	BNPI	47.20±5%	39.20	20.04±5%	18.93	742±3%		
	BSI	-	-	22.43±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-66-NB-6 65W	STC	46.80±5%	38.80	18.05±5%	17.14	665±3%	1500	30
	BNPI	47.00±5%	39.00	20.00±5%	18.90	737±3%		
	BSI	-	-	22.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax [W]/ 公差	系统电 压[V]	额定熔断电 流[A]
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LP210*210-M-60-NB-66 5W	STC	45.00±5%	37.70	18.74±5%	17.64	665±3%	1500	30
	BNPI	45.20±5%	37.90	20.76±5%	19.45	737±3%		
	BSI	-	-	23.23±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-66 0W	STC	44.80±5%	37.50	18.69±5%	17.60	660±3%	1500	30
	BNPI	45.00±5%	37.70	20.71±5%	19.39	731±3%		
	BSI	-	-	23.18±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-65 5W	STC	44.60±5%	37.30	18.64±5%	17.56	655±3%	1500	30
	BNPI	44.80±5%	37.50	20.66±5%	19.36	726±3%		
	BSI	-	-	23.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-65	STC	44.40±5%	37.10	18.59±5%	17.52	650±3%	1500	30

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0W	BNPI	44.60±5%	37.30	20.60±5%	19.30	720±3%		
	BSI	-	-	23.06±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-64 5W	STC	44.20±5%	36.90	18.55±5%	17.48	645±3%	1500	30
	BNPI	44.40±5%	37.10	20.55±5%	19.27	715±3%		
	BSI	-	-	23.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-64 0W	STC	44.00±5%	36.70	18.49±5%	17.44	640±3%	1500	30
	BNPI	44.20±5%	36.90	20.49±5%	19.21	709±3%		
	BSI	-	-	22.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-63 5W	STC	43.80±5%	36.50	18.44±5%	17.40	635±3%	1500	30
	BNPI	44.00±5%	36.70	20.44±5%	19.18	704±3%		

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	BSI	-	-	22.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统 电压 [V]	额定 熔断 电流 [A]
LP210*210-M-60-NB-630W	STC	43.60±5%	36.30	18.36±5%	17.36	630±3%	1500	30
	BNPI	43.80	36.50	20.34±5%	19.12	698±3%		
	BSI	-	-	22.77±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-625W	STC	43.40±5%	36.10	18.25±5%	17.31	625±3%	1500	30
	BNPI	43.60±5%	36.30	20.22±5%	19.09	693±3%		
	BSI	-	-	22.63±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-620W	STC	43.20±5%	35.90	18.19±5%	17.27	620±3%	1500	30
	BNPI	43.40±5%	36.10	20.15±5%	19.03	687±3%		

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	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-615W	STC	43.00±5%	35.70	18.14±5%	17.23	615±3%	1500	30
	BNPI	43.20±5%	35.90	20.10±5%	18.97	681±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-60-NB-610W	STC	42.90±5%	35.50	18.04±5%	17.18	610±3%	1500	30
	BNPI	43.10±5%	35.70	19.99±5%	18.94	676±3%		
	BSI	-	-	22.37±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-595W	STC	40.40±5%	33.80	18.68±5%	17.60	595±3%	1500	30
	BNPI	40.60±5%	34.00	20.70±5%	19.38	659±3%		
	BSI	-	-	23.17±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-590W	STC	40.20±5%	33.60	18.62±5%	17.56	590±3%	1500	30
	BNPI	40.40±5%	33.80	20.63±5%	19.35	654±3%		

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	BSI	-	-	23.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210- M-54-NB-5 85W	STC	40.00±5%	33.40	18.56±5%	17.51	585±3%	1500	30
	BNPI	40.20±5%	33.60	20.57±5%	19.29	648±3%		
	BSI	-	-	23.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-54-NB-5 80W	STC	39.80±5%	33.20	18.52±5%	17.47	580±3%	1500	30
	BNPI	40.00±5%	33.40	20.52±5%	19.25	643±3%		
	BSI	-	-	22.97±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-54-NB-5 75W	STC	39.60±5%	33.00	18.46±5%	17.42	575±3%	1500	30
	BNPI	39.80±5%	33.20	20.46±5%	19.19	637±3%		
	BSI	-	-	22.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-54-NB-5 70W	STC	39.40±5%	32.80	18.41±5%	17.38	570±3%	1500	30
	BNPI	39.60±5%	33.00	20.39±5%	19.15	632±3%		
	BSI	-	-	22.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 65W	STC	39.20±5%	32.60	18.27±5%	17.33	565±3%	1500	30
	BNPI	39.40±5%	32.80	20.24±5%	19.09	626±3%		
	BSI	-	-	22.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 60W	STC	39.00±5%	32.40	18.21±5%	17.28	560±3%	1500	30
	BNPI	39.20±5%	32.60	20.17±5%	19.02	620±3%		
	BSI	-	-	22.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-54-NB-5 55W	STC	38.80±5%	32.20	18.15±5%	17.24	555±3%	1500	30
	BNPI	39.00±5%	32.40	20.11±5%	18.98	615±3%		
	BSI	-	-	22.50±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210- M-54-NB-5 50W	STC	38.60±5%	32.00	18.08±5%	17.19	550±3%	1500	30
	BNPI	38.80±5%	32.20	20.03±5%	18.91	609±3%		
	BSI	-	-	22.42±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 30W	STC	35.93±5%	30.03	18.72±5%	17.65	530±3%	1500	30
	BNPI	36.13±5%	30.23	20.74±5%	19.42	587±3%		
	BSI	-	-	23.22±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 25W	STC	35.70±5%	29.80	18.67±5%	17.62	525±3%	1500	30
	BNPI	35.90±5%	30.00	20.68±5%	19.40	582±3%		
	BSI	-	-	23.15±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210- M-48-NB-5 20W	STC	35.50±5%	29.60	18.61±5%	17.57	520±3%	1500	30
	BNPI	35.70±5%	29.80	20.61±5%	19.33	576±3%		

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	BSI	-	-	23.07±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 15W	STC	35.30±5%	29.40	18.54±5%	17.52	515±3%	1500	30
	BNPI	35.50±5%	29.60	20.55±5%	19.29	571±3%		
	BSI	-	-	22.99±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 10W	STC	35.10±5%	29.20	18.49±5%	17.47	510±3%	1500	30
	BNPI	35.30±5%	29.40	20.48±5%	19.22	565±3%		
	BSI	-	-	22.92±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-5 05W	STC	34.90±5%	29.00	18.39±5%	17.41	505±3%	1500	30
	BNPI	35.10±5%	29.20	20.37±5%	19.18	560±3%		
	BSI	-	-	22.80±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
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LP210*210-M-48-NB-5 00W	STC	34.70±5%	28.80	18.27±5%	17.36	500±3%	1500	30
	BNPI	34.90±5%	29.00	20.25±5%	19.10	554±3%		
	BSI	-	-	22.66±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-4 95W	STC	34.50±5%	28.60	18.18±5%	17.31	495±3%	1500	30
	BNPI	34.70±5%	28.80	20.15±5%	19.03	548±3%		
	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-48-NB-4 90W	STC	34.30±5%	28.40	18.12±5%	17.25	490±3%	1500	30
	BNPI	34.50±5%	28.60	20.08±5%	18.99	543±3%		
	BSI	-	-	22.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 65W	STC	31.40±5%	26.35	18.75±5%	17.65	465±3%	1500	30
	BNPI	31.63±5%	26.50	20.78±5%	19.43	515±3%		
	BSI	-	-	23.25±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP210*210-M-42-NB-4 60W	STC	31.20±5%	26.20	18.70±5%	17.56	460±3%	1500	30
	BNPI	31.40±5%	26.40	20.72±5%	19.32	510±3%		
	BSI	-	-	23.19±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 55W	STC	31.00±5%	26.00	18.63±5%	17.50	455±3%	1500	30
	BNPI	31.20±5%	26.20	20.64±5%	19.24	504±3%		
	BSI	-	-	23.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 50W	STC	30.80±5%	25.80	18.58±5%	17.44	450±3%	1500	30
	BNPI	31.00±5%	26.00	20.58±5%	19.19	499±3%		
	BSI	-	-	23.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP210*210-M-42-NB-4 45W	STC	30.60±5%	25.60	18.50±5%	17.38	445±3%	1500	30
	BNPI	30.80±5%	25.80	20.50±5%	19.11	493±3%		

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	BSI	-	-	22.94±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 40W	STC	30.40±5%	25.40	18.34±5%	17.32	440±3%	1500	30
	BNPI	30.60±5%	25.60	20.33±5%	19.06	488±3%		
	BSI	-	-	22.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 35W	STC	30.20±5%	25.20	18.27±5%	17.26	435±3%	1500	30
	BNPI	30.40±5%	25.40	20.24±5%	18.98	482±3%		
	BSI	-	-	22.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP210*210-M-42-NB-4 30W	STC	30.00±5%	25.00	18.18±5%	17.20	430±3%	1500	30
	BNPI	30.20±5%	25.20	20.15±5%	18.89	476±3%		
	BSI	-	-	22.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 80W	STC	54.41±5%	44.55	13.58±5%	13.02	580±3%	1500	25
	BNPI	54.61±5%	44.75	15.05±5%	14.37	643±3%		

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	BSI	-	-	16.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 85W	STC	54.56±5%	44.73	13.65±5%	13.08	585±3%	1500	25
	BNPI	54.76±5%	44.93	15.12±5%	14.42	648±3%		
	BSI	-	-	16.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-5 90W	STC	54.71±5%	44.87	13.72±5%	13.15	590±3%	1500	25
	BNPI	54.91±5%	45.07	15.20±5%	14.51	654±3%		
	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-78-NB-5 95W	STC	54.86±5%	45.01	13.79±5%	13.22	595±3%	1500	25
	BNPI	55.06±5%	45.21	15.28±5%	14.58	659±3%		
	BSI	-	-	17.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-78-NB-6 00W	STC	55.01±5%	45.15	13.86±5%	13.29	600±3%	1500	25
	BNPI	55.21±5%	45.35	15.36±5%	14.66	665±3%		
	BSI	-	-	17.19±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 05W	STC	55.16±5%	45.32	13.92±5%	13.35	605±3%	1500	25
	BNPI	55.36±5%	45.52	15.42±5%	14.72	670±3%		
	BSI	-	-	17.26±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 10W	STC	55.31±5%	45.46	13.98±5%	13.42	610±3%	1500	25
	BNPI	55.51±5%	45.66	15.49±5%	14.81	676±3%		
	BSI	-	-	17.34±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-78-NB-6 15W	STC	55.46±5%	45.63	14.04±5%	13.48	615±3%	1500	25
	BNPI	55.66±5%	45.83	15.56±5%	14.86	681±3%		
	BSI	-	-	17.41±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	55.61±5%	45.76	14.09±5%	13.55	620±3%	1500	25

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M-78-NB-6 20W	BNPI	55.81±5%	45.96	15.61±5%	14.90	685±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 35W	STC	50.22±5%	41.13	13.57±5%	13.01	535±3%	1500	25
	BNPI	50.42±5%	41.33	15.04±5%	14.35	593±3%		
	BSI	-	-	16.83±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-72-NB-5 40W	STC	50.37±5%	41.29	13.65±5%	13.08	540±3%	1500	25
	BNPI	50.57±5%	41.49	15.12±5%	14.41	598±3%		
	BSI	-	-	16.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 45W	STC	50.52±5%	41.45	13.72±5%	13.15	545±3%	1500	25
	BNPI	50.72±5%	41.65	15.20±5%	14.50	604±3%		

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	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 50W	STC	50.67±5%	41.58	13.80±5%	13.23	550±3%	1500	25
	BNPI	50.87±5%	41.78	15.29±5%	14.58	609±3%		
	BSI	-	-	17.11±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 55W	STC	50.82±5%	41.73	13.87±5%	13.30	555±3%	1500	25
	BNPI	51.02±5%	41.93	15.37±5%	14.67	615±3%		
	BSI	-	-	17.20±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 60W	STC	50.97±5%	41.89	13.94±5%	13.37	560±3%	1500	25
	BNPI	51.17±5%	42.09	15.45±5%	14.73	620±3%		
	BSI	-	-	17.29±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-72-NB-5 65W	STC	51.12±5%	42.04	13.99±5%	13.44	565±3%	1500	25
	BNPI	51.32±5%	42.24	15.50±5%	14.82	626±3%		
	BSI	-	-	17.35±5%	-	-		

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	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*182-M-72-NB-5 70W	STC	51.27 $\pm$ 5%	42.19	14.05 $\pm$ 5%	13.51	570 $\pm$ 3%	1500	25
	BNPI	51.47 $\pm$ 5%	42.39	15.57 $\pm$ 5%	14.91	632 $\pm$ 3%		
	BSI	-	-	17.42 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182-M-72-NB-5 75W	STC	51.42 $\pm$ 5%	42.34	14.11 $\pm$ 5%	13.58	575 $\pm$ 3%	1500	25
	BNPI	51.62 $\pm$ 5%	42.54	15.63 $\pm$ 5%	14.97	637 $\pm$ 3%		
	BSI	-	-	17.50 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*182-M-72-NB-5 80W	STC	51.57 $\pm$ 5%	42.49	14.18 $\pm$ 5%	13.65	580 $\pm$ 3%	1500	25
	BNPI	51.77 $\pm$ 5%	42.69	15.71 $\pm$ 5%	15.06	643 $\pm$ 3%		
	BSI	-	-	17.58 $\pm$ 5%	-	-		
	$\varphi$	99 $\pm$ 5%	-	80 $\pm$ 10%	-	80 $\pm$ 10%		
LP182*182-	STC	51.72 $\pm$ 5%	42.64	14.24 $\pm$ 5%	13.72	585 $\pm$ 3%	1500	25

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M-72-NB-5 85W	BNPI	51.92±5%	42.84	15.78±5%	15.13	648±3%		
	BSI	-	-	17.66±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-72-NB-5 90W	STC	51.87±5%	42.79	14.30±5%	13.79	590±3%	1500	25
	BNPI	52.07±5%	42.99	15.84±5%	15.21	654±3%		
	BSI	-	-	17.73±5%	-	-		
LP182*182- M-72-NB-5 95W	STC	52.02±5%	42.93	14.38±5%	13.86	595±3%	1500	25
	BNPI	52.22±5%	43.13	15.93±5%	15.28	659±3%		
	BSI	-	-	17.83±5%	-	-		
LP182*182- M-72-NB-6 00W	STC	52.17±5%	43.08	14.43±5%	13.93	600±3%	1500	25
	BNPI	52.37±5%	43.28	15.99±5%	15.37	665±3%		
	BSI	-	-	17.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	46.04±5%	37.70	13.56±5%	13.00	490±3%	1500	25

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M-66-NB-4 90W	BNPI	46.24±5%	37.90	15.02±5%	14.33	543±3%		
	BSI	-	-	16.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-66-NB-4 95W	STC	46.19±5%	37.85	13.64±5%	13.08	495±3%	1500	25
	BNPI	46.39±5%	38.05	15.11±5%	14.40	548±3%		
	BSI	-	-	16.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 00W	STC	46.34±5%	38.00	13.73±5%	13.16	500±3%	1500	25
	BNPI	46.54±5%	38.20	15.21±5%	14.50	554±3%		
	BSI	-	-	17.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 05W	STC	46.49±5%	38.14	13.81±5%	13.24	505±3%	1500	25
	BNPI	46.69±5%	38.34	15.30±5%	14.61	560±3%		
	BSI	-	-	17.12±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 10W	STC	46.64±5%	38.29	13.89±5%	13.32	510±3%	1500	25
	BNPI	46.84±5%	38.49	15.39±5%	14.68	565±3%		
	BSI	-	-	17.22±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 15W	STC	46.79±5%	38.46	13.97±5%	13.39	515±3%	1500	25
	BNPI	46.99±5%	38.66	15.48±5%	14.77	571±3%		
	BSI	-	-	17.32±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 20W	STC	46.94±5%	38.61	14.02±5%	13.47	520±3%	1500	25
	BNPI	47.14±5%	38.81	15.53±5%	14.84	576±3%		
	BSI	-	-	17.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 25W	STC	47.09±5%	38.75	14.09±5%	13.55	525±3%	1500	25
	BNPI	47.29±5%	38.95	15.61±5%	14.94	582±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182- M-66-NB-5 30W	STC	47.24±5%	38.92	14.14±5%	13.62	530±3%	1500	25
	BNPI	47.44±5%	39.12	15.67±5%	15.01	587±3%		
	BSI	-	-	17.53±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 35W	STC	47.39±5%	39.05	14.21±5%	13.70	535±3%	1500	25
	BNPI	47.59±5%	39.25	15.74±5%	15.11	593±3%		
	BSI	-	-	17.62±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 40W	STC	47.54±5%	39.19	14.28±5%	13.78	540±3%	1500	25
	BNPI	47.74±5%	39.39	15.82±5%	15.18	598±3%		
	BSI	-	-	17.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182- M-66-NB-5 45W	STC	47.69±5%	39.35	14.36±5%	13.85	545±3%	1500	25
	BNPI	47.89±5%	39.55	15.91±5%	15.27	604±3%		

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	BSI	-	-	17.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-66-NB-5 50W	STC	47.84±5%	39.51	14.43±5%	13.92	550±3%	1500	25
	BNPI	48.04±5%	39.71	15.99±5%	15.34	609±3%		
	BSI	-	-	17.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 45W	STC	41.85±5%	34.29	13.54±5%	12.98	445±3%	1500	25
	BNPI	42.05±5%	34.49	15.00±5%	14.29	493±3%		
	BSI	-	-	16.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-60-NB-4 50W	STC	42.00±5%	34.43	13.63±5%	13.07	450±3%	1500	25
	BNPI	42.20±5%	34.63	15.10±5%	14.41	499±3%		
	BSI	-	-	16.90±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 55W	STC	42.15±5%	34.58	13.72±5%	13.16	455±3%	1500	25
	BNPI	42.35±5%	34.78	15.20±5%	14.49	504±3%		
	BSI	-	-	17.01±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 60W	STC	42.30±5%	34.72	13.81±5%	13.25	460±3%	1500	25
	BNPI	42.50±5%	34.92	15.30±5%	14.60	510±3%		
	BSI	-	-	17.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 65W	STC	42.45±5%	34.89	13.90±5%	13.33	465±3%	1500	25
	BNPI	42.65±5%	35.09	15.40±5%	14.68	515±3%		
	BSI	-	-	17.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 70W	STC	42.60±5%	35.03	13.97±5%	13.42	470±3%	1500	25
	BNPI	42.80±5%	35.23	15.48±5%	14.79	521±3%		
	BSI	-	-	17.32±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-60-NB-4 75W	STC	42.75±5%	35.19	14.04±5%	13.50	475±3%	1500	25
	BNPI	42.95±5%	35.39	15.56±5%	14.86	526±3%		
	BSI	-	-	17.41±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 80W	STC	42.90±5%	35.32	14.12±5%	13.59	480±3%	1500	25
	BNPI	43.10±5%	35.52	15.64±5%	14.98	532±3%		
	BSI	-	-	17.51±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182-M-60-NB-4 85W	STC	43.05±5%	35.48	14.18±5%	13.67	485±3%	1500	25
	BNPI	43.25±5%	35.68	15.71±5%	15.05	537±3%		
	BSI	-	-	17.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 90W	STC	43.20±5%	35.64	14.26±5%	13.75	490±3%	1500	25
	BNPI	43.40±5%	35.84	15.80±5%	15.15	543±3%		

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	BSI	-	-	17.68±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-4 95W	STC	43.35±5%	35.79	14.35±5%	13.83	495±3%	1500	25
	BNPI	43.55±5%	35.99	15.90±5%	15.23	548±3%		
	BSI	-	-	17.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-60-NB-5 00W	STC	43.50±5%	35.92	14.44±5%	13.92	500±3%	1500	25
	BNPI	43.70±5%	36.12	16.00±5%	15.34	554±3%		
	BSI	-	-	17.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 00W	STC	37.67±5%	30.84	13.53±5%	12.97	400±3%	1500	25
	BNPI	37.87±5%	31.04	14.99±5%	14.27	443±3%		
	BSI	-	-	16.78±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 05W	STC	37.82±5%	31.01	13.63±5%	13.06	405±3%	1500	25
	BNPI	38.02±5%	31.21	15.10±5%	14.39	449±3%		

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	BSI	-	-	16.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 10W	STC	37.97±5%	31.16	13.74±5%	13.16	410±3%	1500	25
	BNPI	38.17±5%	31.36	15.22±5%	14.48	454±3%		
	BSI	-	-	17.04±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电压[V]	额定熔断电流[A]
LP182*182-M-54-NB-4 15W	STC	38.12±5%	31.30	13.83±5%	13.26	415±3%	1500	25
	BNPI	38.32±5%	31.50	15.32±5%	14.60	460±3%		
	BSI	-	-	17.15±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 20W	STC	38.27±5%	31.46	13.93±5%	13.35	420±3%	1500	25
	BNPI	38.47±5%	31.66	15.43±5%	14.69	465±3%		
	BSI	-	-	17.27±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*182-M-54-NB-4 25W	STC	38.42±5%	31.60	14.00±5%	13.45	425±3%	1500	25
	BNPI	38.62±5%	31.80	15.51±5%	14.81	471±3%		
	BSI	-	-	17.36±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 30W	STC	38.57±5%	31.76	14.09±5%	13.54	430±3%	1500	25
	BNPI	38.77±5%	31.96	15.61±5%	14.89	476±3%		
	BSI	-	-	17.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 35W	STC	38.72±5%	31.89	14.18±5%	13.64	435±3%	1500	25
	BNPI	38.92±5%	32.09	15.71±5%	15.02	482±3%		
	BSI	-	-	17.58±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-M-54-NB-4 40W	STC	38.87±5%	32.05	14.27±5%	13.73	440±3%	1500	25
	BNPI	39.07±5%	32.25	15.81±5%	15.13	488±3%		
	BSI	-	-	17.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*182-	STC	39.02±5%	32.20	14.36±5%	13.82	445±3%	1500	25

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M-54-NB-4 45W	BNPI	39.22±5%	32.40	15.91±5%	15.22	493±3%		
	BSI	-	-	17.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*182- M-54-NB-4 50W	STC	39.17±5%	32.35	14.44±5%	13.91	450±3%	1500	25
	BNPI	39.37±5%	32.55	16.00±5%	15.33	499±3%		
	BSI	-	-	17.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-5 80W	STC	47.25±5%	39.46	15.64±5%	14.70	580±3%	1500	25
	BNPI	47.45±5%	39.66	17.33±5%	16.21	643±3%		
	BSI	-	-	19.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-5 85W	STC	47.55±5%	39.66	15.66±5%	14.75	585±3%	1500	25
	BNPI	47.75±5%	39.86	17.36±5%	16.26	648±3%		

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	BSI	-	-	19.42±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-5 90W	STC	47.85±5%	39.86	15.71±5%	14.80	590±3%	1500	25
	BNPI	48.05±5%	40.06	17.40±5%	16.33	654±3%		
	BSI	-	-	19.47±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-5 95W	STC	48.15±5%	40.06	15.74±5%	14.85	595±3%	1500	25
	BNPI	48.35±5%	40.26	17.44±5%	16.37	659±3%		
	BSI	-	-	19.52±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-6 00W	STC	48.45±5%	40.26	15.78±5%	14.90	600±3%	1500	25
	BNPI	48.65±5%	40.46	17.49±5%	16.44	665±3%		
	BSI	-	-	19.57±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-66-NB-6 05W	STC	48.75±5%	40.46	15.81±5%	14.95	605±3%	1500	25
	BNPI	48.95±5%	40.66	17.52±5%	16.48	670±3%		
	BSI	-	-	19.61±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210- M-66-NB-6 10W	STC	49.05±5%	40.66	15.84±5%	15.00	610±3%	1500	25
	BNPI	49.25±5%	40.86	17.55±5%	16.54	676±3%		
	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 15W	STC	49.35±5%	40.86	15.88±5%	15.05	615±3%	1500	25
	BNPI	49.55±5%	41.06	17.60±5%	16.59	681±3%		
	BSI	-	-	19.70±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 20W	STC	49.55±5%	41.06	15.93±5%	15.10	620±3%	1500	25
	BNPI	49.75±5%	41.26	17.65±5%	16.65	687±3%		
	BSI	-	-	19.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-	STC	49.75±5%	41.26	16.00±5%	15.15	625±3%	1500	25

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M-66-NB-6 25W	BNPI	49.95±5%	41.46	17.73±5%	16.69	692±3%		
	BSI	-	-	19.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-66-NB-6 30W	STC	49.95±5%	41.46	16.05±5%	15.20	630±3%	1500	25
	BNPI	50.15±5%	41.66	17.78±5%	16.71	696±3%		
	BSI	-	-	19.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 30W	STC	43.24±5%	36.00	15.63±5%	14.72	530±3%	1500	25
	BNPI	43.44±5%	36.20	17.32±5%	16.22	587±3%		
	BSI	-	-	19.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 35W	STC	43.51±5%	36.20	15.68±5%	14.78	535±3%	1500	25
	BNPI	43.71±5%	36.40	17.37±5%	16.29	593±3%		
	BSI	-	-	19.44±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210- M-60-NB-5 40W	STC	43.78±5%	36.40	15.71±5%	14.84	540±3%	1500	25
	BNPI	43.98±5%	36.60	17.41±5%	16.34	598±3%		
	BSI	-	-	19.49±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 45W	STC	44.05±5%	36.60	15.77±5%	14.89	545±3%	1500	25
	BNPI	44.25±5%	36.80	17.47±5%	16.41	604±3%		
	BSI	-	-	19.55±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 50W	STC	44.32±5%	36.80	15.81±5%	14.95	550±3%	1500	25
	BNPI	44.52±5%	37.00	17.52±5%	16.46	609±3%		
	BSI	-	-	19.61±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-60-NB-5 55W	STC	44.59±5%	37.00	15.86±5%	15.00	555±3%	1500	25
	BNPI	44.79±5%	37.20	17.57±5%	16.53	615±3%		
	BSI	-	-	19.66±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-60-NB-5 60W	STC	44.86±5%	37.20	15.90±5%	15.05	560±3%	1500	25
	BNPI	45.06±5%	37.40	17.62±5%	16.58	620±3%		
	BSI	-	-	19.72±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-60-NB-5 65W	STC	45.13±5%	37.40	15.94±5%	15.11	565±3%	1500	25
	BNPI	45.33±5%	37.60	17.66±5%	16.65	626±3%		
	BSI	-	-	19.77±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-60-NB-5 70W	STC	45.40±5%	37.60	15.97±5%	15.16	570±3%	1500	25
	BNPI	45.60±5%	37.80	17.69±5%	16.69	631±3%		
	BSI	-	-	19.80±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210-	STC	38.82±5%	32.33	15.59±5%	14.69	475±3%	1500	25

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M-54-NB-4 75W	BNPI	39.02±5%	32.53	17.27±5%	16.17	526±3%		
	BSI	-	-	19.33±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210- M-54-NB-4 80W	STC	39.07±5%	32.53	15.64±5%	14.76	480±3%	1500	25
	BNPI	39.27±5%	32.73	17.33±5%	16.25	532±3%		
	BSI	-	-	19.40±5%	-	-		
P182*210- M-54-NB-4 85W	STC	39.32±5%	32.73	15.71±5%	14.82	485±3%	1500	25
	BNPI	39.52±5%	32.93	17.41±5%	16.31	537±3%		
	BSI	-	-	19.48±5%	-	-		
LP182*210- M-54-NB-4 90W	STC	39.57±5%	32.93	15.78±5%	14.88	490±3%	1500	25
	BNPI	39.77±5%	33.13	17.48±5%	16.39	543±3%		
	BSI	-	-	19.56±5%	-	-		
LP182*210- M-54-NB-4 95W	STC	39.82±5%	33.13	15.84±5%	14.94	495±3%	1500	25
	BNPI	40.02±5%	33.33	17.55±5%	16.44	548±3%		

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	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-54-NB-500W	STC	40.07±5%	33.33	15.90±5%	15.00	500±3%	1500	25
	BNPI	40.27±5%	33.53	17.62±5%	16.52	554±3%		
	BSI	-	-	19.72±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-54-NB-505W	STC	40.32±5%	33.53	15.96±5%	15.06	505±3%	1500	25
	BNPI	40.52±5%	33.73	17.69±5%	16.60	560±3%		
	BSI	-	-	19.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
LP182*210-M-54-NB-510W	STC	40.57±5%	33.73	16.01±5%	15.12	510±3%	1500	25
	BNPI	40.77±5%	33.93	17.74±5%	16.65	565±3%		
	BSI	-	-	19.85±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*210-M-54-NB-5 15W	STC	40.82±5%	33.93	16.05±5%	15.18	515±3%	1500	25
	BNPI	41.02±5%	34.13	17.78±5%	16.70	570±3%		
	BSI	-	-	19.90±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 20W	STC	34.38±5%	28.58	15.57±5%	14.70	420±3%	1500	25
	BNPI	34.58±5%	28.78	17.25±5%	16.16	465±3%		
	BSI	-	-	19.31±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 25W	STC	34.63±5%	28.78	15.63±5%	14.77	425±3%	1500	25
	BNPI	34.83±5%	28.98	17.32±5%	16.25	471±3%		
	BSI	-	-	19.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 30W	STC	34.88±5%	28.98	15.70±5%	14.84	430±3%	1500	25
	BNPI	35.08±5%	29.18	17.39±5%	16.31	476±3%		
	BSI	-	-	19.46±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*210-M-48-NB-4 35W	STC	35.13±5%	29.18	15.77±5%	14.91	435±3%	1500	25
	BNPI	35.33±5%	29.38	17.48±5%	16.41	482±3%		
	BSI	-	-	19.56±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 40W	STC	35.38±5%	29.38	15.84±5%	14.98	440±3%	1500	25
	BNPI	35.58±5%	29.58	17.56±5%	16.50	488±3%		
	BSI	-	-	19.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*210-M-48-NB-4 45W	STC	35.63±5%	29.58	15.90±5%	15.04	445±3%	1500	25
	BNPI	35.83±5%	29.78	17.62±5%	16.55	493±3%		
	BSI	-	-	19.72±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 50W	STC	35.88±5%	29.78	15.97±5%	15.11	450±3%	1500	25
	BNPI	36.08±5%	29.98	17.69±5%	16.64	499±3%		

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	BSI	-	-	19.80±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*210-M-48-NB-4 55W	STC	36.13±5%	29.98	16.02±5%	15.18	455±3%	1500	25
	BNPI	36.33±5%	30.18	17.75±5%	16.70	504±3%		
	BSI	-	-	19.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 70W	STC	50.69±5%	42.08	14.28±5%	13.55	570±3%	1500	25
	BNPI	50.89±5%	42.28	15.82±5%	14.95	632±3%		
	BSI	-	-	17.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 75W	STC	50.79±5%	42.18	14.37±5%	13.63	575±3%	1500	25
	BNPI	50.99±5%	42.38	15.93±5%	15.03	637±3%		
	BSI	-	-	17.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 80W	STC	50.89±5%	42.28	14.47±5%	13.72	580±3%	1500	25
	BNPI	51.09±5%	42.48	16.03±5%	15.14	643±3%		

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	BSI	-	-	17.94±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 85W	STC	50.99±5%	42.38	14.56±5%	13.80	585±3%	1500	25
	BNPI	51.19±5%	42.58	16.13±5%	15.22	648±3%		
	BSI	-	-	18.05±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-72-NB-5 90W	STC	51.09±5%	42.48	14.65±5%	13.89	590±3%	1500	25
	BNPI	51.29±5%	42.68	16.23±5%	15.32	654±3%		
	BSI	-	-	18.17±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-5 95W	STC	51.19±5%	42.58	14.74±5%	13.97	595±3%	1500	25
	BNPI	51.39±5%	42.78	16.33±5%	15.40	659±3%		
	BSI	-	-	18.28±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-72-NB-6 00W	STC	51.29±5%	42.68	14.83±5%	14.06	600±3%	1500	25
	BNPI	51.49±5%	42.88	16.43±5%	15.51	665±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 05W	STC	51.49±5%	42.88	14.89±5%	14.11	605±3%	1500	25
	BNPI	51.69±5%	43.08	16.50±5%	15.55	670±3%		
	BSI	-	-	18.46±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 10W	STC	51.69±5%	43.08	14.94±5%	14.16	610±3%	1500	25
	BNPI	51.89±5%	43.28	16.55±5%	15.62	676±3%		
	BSI	-	-	18.53±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 15W	STC	51.89±5%	43.28	14.99±5%	14.21	615±3%	1500	25
	BNPI	52.09±5%	43.48	16.61±5%	15.66	681±3%		
	BSI	-	-	18.59±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	52.09±5%	43.48	15.09±5%	14.26	620±3%	1500	25

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M-72-NB-6 20W	BNPI	52.29±5%	43.68	16.72±5%	15.73	687±3%		
	BSI	-	-	18.71±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199- M-72-NB-6 25W	STC	52.29±5%	43.68	15.15±5%	14.31	625±3%	1500	25
	BNPI	52.49±5%	43.88	16.79±5%	15.79	693±3%		
	BSI	-	-	18.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-72-NB-6 30W	STC	52.49±5%	43.88	15.21±5%	14.36	630±3%	1500	25
	BNPI	52.69±5%	44.08	16.85±5%	15.83	698±3%		
	BSI	-	-	18.86±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-72-NB-6 35W	STC	52.69±5%	44.07	15.23±5%	14.41	635±3%	1500	25
	BNPI	52.89±5%	44.27	16.87±5%	15.90	704±3%		
	BSI	-	-	18.89±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 40W	STC	52.89±5%	44.29	15.25±5%	14.45	640±3%	1500	25
	BNPI	53.09±5%	44.49	16.90±5%	15.94	709±3%		
	BSI	-	-	18.91±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 45W	STC	53.09±5%	44.48	15.30±5%	14.50	645±3%	1500	25
	BNPI	53.29±5%	44.68	16.95±5%	16.00	715±3%		
	BSI	-	-	18.97±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 50W	STC	53.29±5%	44.68	15.35±5%	14.55	650±3%	1500	25
	BNPI	53.49±5%	44.88	17.01±5%	16.04	720±3%		
	BSI	-	-	19.03±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-72-NB-6 55W	STC	53.49±5%	44.89	15.40±5%	14.59	655±3%	1500	25
	BNPI	53.69±5%	45.09	17.07±5%	16.10	726±3%		
	BSI	-	-	19.10±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199- M-66-NB-5 25W	STC	46.52±5%	38.61	14.33±5%	13.60	525±3%	1500	25
	BNPI	46.72±5%	38.81	15.88±5%	15.00	582±3%		
	BSI	-	-	17.77±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 30W	STC	46.62±5%	38.71	14.43±5%	13.69	530±3%	1500	25
	BNPI	46.82±5%	38.91	15.99±5%	15.09	587±3%		
	BSI	-	-	17.89±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 35W	STC	46.72±5%	38.81	14.53±5%	13.79	535±3%	1500	25
	BNPI	46.92±5%	39.01	16.10±5%	15.20	593±3%		
	BSI	-	-	18.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 40W	STC	46.82±5%	38.91	14.63±5%	13.88	540±3%	1500	25
	BNPI	47.02±5%	39.11	16.21±5%	15.29	598±3%		

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	BSI	-	-	18.14±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 45W	STC	46.92±5%	39.01	14.73±5%	13.97	545±3%	1500	25
	BNPI	47.12±5%	39.21	16.32±5%	15.40	604±3%		
	BSI	-	-	18.27±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 50W	STC	47.02±5%	39.12	14.82±5%	14.06	550±3%	1500	25
	BNPI	47.22±5%	39.32	16.42±5%	15.49	609±3%		
	BSI	-	-	18.38±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 55W	STC	47.22±5%	39.31	14.87±5%	14.12	555±3%	1500	25
	BNPI	47.42±5%	39.51	16.48±5%	15.57	615±3%		
	BSI	-	-	18.44±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号	Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] /公差	系统电压[V]	额定熔断电流[A]
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LP182*199-M-66-NB-5 60W	STC	47.42±5%	39.51	15.00±5%	14.17	560±3%	1500	25
	BNPI	47.62±5%	39.71	16.62±5%	15.61	620±3%		
	BSI	-	-	18.60±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 65W	STC	47.62±5%	39.71	15.07±5%	14.23	565±3%	1500	25
	BNPI	47.82±5%	39.91	16.70±5%	15.69	626±3%		
	BSI	-	-	18.69±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 70W	STC	47.82±5%	39.91	15.12±5%	14.28	570±3%	1500	25
	BNPI	48.02±5%	40.11	16.75±5%	15.76	632±3%		
	BSI	-	-	18.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-5 75W	STC	48.02±5%	40.11	15.17±5%	14.34	575±3%	1500	25
	BNPI	48.22±5%	40.31	16.81±5%	15.80	637±3%		
	BSI	-	-	18.81±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	48.22±5%	40.31	15.22±5%	14.39	580±3%	1500	25

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M-66-NB-5 80W	BNPI	48.42±5%	40.51	16.86±5%	15.87	643±3%		
	BSI	-	-	18.87±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-66-NB-5 85W	STC	48.42±5%	40.51	15.27±5%	14.44	585±3%	1500	25
	BNPI	48.62±5%	40.71	16.92±5%	15.92	648±3%		
	BSI	-	-	18.93±5%	-	-		
LP182*199- M-66-NB-5 90W	STC	48.62±5%	40.72	15.32±5%	14.49	590±3%	1500	25
	BNPI	48.82±5%	40.92	16.97±5%	15.98	654±3%		
	BSI	-	-	19.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199- M-66-NB-5 95W	STC	48.82±5%	40.92	15.34±5%	14.54	595±3%	1500	25
	BNPI	49.02±5%	41.12	17.00±5%	16.03	659±3%		
	BSI	-	-	19.02±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-66-NB-6 00W	STC	49.02±5%	41.12	15.40±5%	14.59	600±3%	1500	25
	BNPI	49.22±5%	41.32	17.06±5%	16.09	665±3%		
	BSI	-	-	19.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 75W	STC	42.24±5%	35.07	14.28±5%	13.54	475±3%	1500	25
	BNPI	42.44±5%	35.27	15.82±5%	14.91	526±3%		
	BSI	-	-	17.70±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 80W	STC	42.34±5%	35.17	14.39±5%	13.65	480±3%	1500	25
	BNPI	42.54±5%	35.37	15.94±5%	15.04	532±3%		
	BSI	-	-	17.84±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 85W	STC	42.44±5%	35.27	14.50±5%	13.75	485±3%	1500	25
	BNPI	42.64±5%	35.47	16.07±5%	15.14	537±3%		
	BSI	-	-	17.98±5%	-	-		

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	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 90W	STC	42.54±5%	35.37	14.61±5%	13.85	490±3%	1500	25
	BNPI	42.74±5%	35.57	16.19±5%	15.27	543±3%		
	BSI	-	-	18.12±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-4 95W	STC	42.64±5%	35.47	14.72±5%	13.96	495±3%	1500	25
	BNPI	42.84±5%	35.67	16.31±5%	15.36	548±3%		
	BSI	-	-	18.26±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-60-NB-5 00W	STC	42.74±5%	35.57	14.83±5%	14.06	500±3%	1500	25
	BNPI	42.94±5%	35.77	16.43±5%	15.49	554±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-	STC	42.94±5%	35.77	14.90±5%	14.12	505±3%	1500	25

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M-60-NB-5 05W	BNPI	43.14±5%	35.97	16.51±5%	15.57	560±3%		
	BSI	-	-	18.48±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199- M-60-NB-5 10W	STC	43.14±5%	35.97	14.96±5%	14.18	510±3%	1500	25
	BNPI	43.34±5%	36.17	16.58±5%	15.62	565±3%		
	BSI	-	-	18.55±5%	-	-		
LP182*199- M-60-NB-5 15W	STC	43.34±5%	36.17	15.02±5%	14.24	515±3%	1500	25
	BNPI	43.54±5%	36.37	16.64±5%	15.70	571±3%		
	BSI	-	-	18.62±5%	-	-		
LP182*199- M-60-NB-5 20W	STC	43.54±5%	36.37	15.09±5%	14.30	520±3%	1500	25
	BNPI	43.74±5%	36.57	16.72±5%	15.75	576±3%		
	BSI	-	-	18.71±5%	-	-		
LP182*199- M-60-NB-5 25W	STC	43.74±5%	36.56	15.15±5%	14.36	525±3%	1500	25
	BNPI	43.94±5%	36.76	16.79±5%	15.83	582±3%		

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	BSI	-	-	18.79±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-5 30W	STC	43.94±5%	36.78	15.21±5%	14.41	530±3%	1500	25
	BNPI	44.14±5%	36.98	16.85±5%	15.87	587±3%		
	BSI	-	-	18.86±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W] / 公差	系统电压[V]	额定熔断电流[A]
LP182*199-M-60-NB-5 35W	STC	44.14±5%	36.97	15.27±5%	14.47	535±3%	1500	25
	BNPI	44.34±5%	37.17	16.92±5%	15.95	593±3%		
	BSI	-	-	18.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-60-NB-5 40W	STC	44.34±5%	37.17	15.34±5%	14.53	540±3%	1500	25
	BNPI	44.54±5%	37.37	17.00±5%	16.00	598±3%		
	BSI	-	-	19.02±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-60-NB-5 45W	STC	44.54±5%	37.38	15.37±5%	14.58	545±3%	1500	25
	BNPI	44.74±5%	37.58	17.03±5%	16.07	604±3%		
	BSI	-	-	19.06±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 30W	STC	38.07±5%	31.61	14.34±5%	13.60	430±3%	1500	25
	BNPI	38.27±5%	31.81	15.88±5%	14.96	476±3%		
	BSI	-	-	17.78±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 35W	STC	38.17±5%	31.71	14.46±5%	13.72	435±3%	1500	25
	BNPI	38.37±5%	31.91	16.02±5%	15.10	482±3%		
	BSI	-	-	17.93±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 40W	STC	38.27±5%	31.81	14.59±5%	13.83	440±3%	1500	25
	BNPI	38.47±5%	32.01	16.16±5%	15.25	488±3%		
	BSI	-	-	18.09±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

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LP182*199-M-54-NB-4 45W	STC	38.37±5%	31.91	14.71±5%	13.95	445±3%	1500	25
	BNPI	38.57±5%	32.11	16.30±5%	15.35	493±3%		
	BSI	-	-	18.24±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-54-NB-4 50W	STC	38.47±5%	32.01	14.83±5%	14.06	450±3%	1500	25
	BNPI	38.67±5%	32.21	16.43±5%	15.49	499±3%		
	BSI	-	-	18.39±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 55W	STC	38.67±5%	32.20	14.90±5%	14.13	455±3%	1500	25
	BNPI	38.87±5%	32.40	16.51±5%	15.56	504±3%		
	BSI	-	-	18.48±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 60W	STC	38.87±5%	32.41	14.97±5%	14.19	460±3%	1500	25
	BNPI	39.07±5%	32.61	16.59±5%	15.64	510±3%		

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**PAPER:**

	BSI	-	-	18.56±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 65W	STC	39.07±5%	32.61	15.04±5%	14.26	465±3%	1500	25
	BNPI	39.27±5%	32.81	16.66±5%	15.70	515±3%		
	BSI	-	-	18.65±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 70W	STC	39.27±5%	32.82	15.12±5%	14.32	470±3%	1500	25
	BNPI	39.47±5%	33.02	16.75±5%	15.78	521±3%		
	BSI	-	-	18.75±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 75W	STC	39.47±5%	33.01	15.18±5%	14.39	475±3%	1500	25
	BNPI	39.67±5%	33.21	16.82±5%	15.84	526±3%		
	BSI	-	-	18.82±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 80W	STC	39.67±5%	33.22	15.25±5%	14.45	480±3%	1500	25
	BNPI	39.87±5%	33.42	16.90±5%	15.92	532±3%		
	BSI	-	-	18.91±5%	-	-		

**NOTE:** This appendix is valid when used with the certificate.



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# CERTIFICATE OF PRODUCT CERTIFICATION

## SOLAR PRODUCT CERTIFICATE

APPENDIX

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CERTIFICATE NO.: CQC23024405392

PAPER:

	φ	99±5%	-	80±10%	-	80±10%		
LP182*199-M-54-NB-4 85W	STC	39.87±5%	33.40	15.32±5%	14.52	485±3%	1500	25
	BNPI	40.07±5%	33.60	16.97±5%	15.98	537±3%		
	BSI	-	-	19.00±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

组件型号		Voc [V]/ 公差	Vmp [V]	Isc [A]/ 公差	Imp [A]	Pmax[W]/ 公差	系统电 压[V]	额定熔断电 流[A]
LP182*199-M-5 4-NB-490W	STC	40.07±5%	33.61	15.38±5%	14.58	490±3%	1500	25
	BNPI	40.27±5%	33.81	17.04±5%	16.06	543±3%		
	BSI	-	-	19.07±5%	-	-		
	φ	99±5%	-	80±10%	-	80±10%		

**NOTE:** This appendix is valid when used with the certificate.



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