



Monofacial

Bifacial

LP182*182-M-72-NB

Rated Power 590-620W

N-Type Double Glass



N-Type MBB Cell

New circuit design N-type cells, can increase the output power of 10W~20W



Low Light Features

Higher performance under low light environment.



Bifacial with double-glass

Module adopts 182*188mm half cells, bifacial module provide an additional 5%~25% output.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.

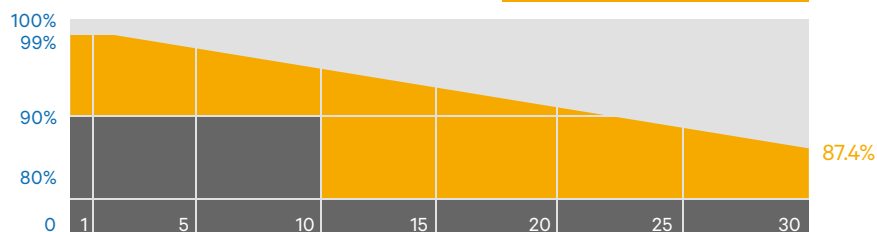


Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.

Leapton N-Type Linear Power Warranty Industry Warranty

0.4% Annual Degradation over 30 years



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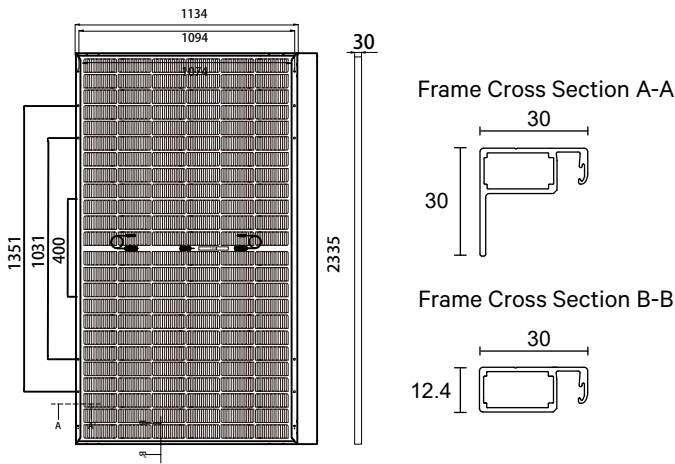
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	31.6kg
Dimensions	2335mm*1134mm*30mm
Cell Dimensions	182*188mm
Cell Amount	72*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Front glass	2.0mm, Anti-Reflection Coating
Back gals	2.0mm, Heat Strengthened Glass
Frame	Aluminum Alloy
Cable	4mm ² , N 1400mm/P 1400mm for Horizontal installation 4mm ² , N 300mm/P 300mm for Vertical installation
Connector	MC4 compatible
Bifaciality	80±5%

ELECTRICAL PARAMETERS AT STC

Power	590W	595W	600W	605W	610W	615W	620W
Open Circuit Voltage	52.43V	52.58V	52.73V	52.88V	53.03V	53.18V	53.33V
Short Circuit Current	14.05A	14.12A	14.19A	14.26A	14.33A	14.41A	14.48A
Maximun Power Voltage	43.45V	43.59V	43.74V	43.91V	44.06V	44.22V	44.36V
Maximum Power Current	13.58A	13.65A	13.72A	13.78A	13.85A	13.91A	13.98A
Module Efficiency	21.28%	22.47%	22.66%	22.85%	23.04%	23.23%	23.41%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NMOT

Power	444W	448W	452W	455W	459W	462W	466W
Open Circuit Voltage	49.75V	49.90V	50.05V	50.20V	50.35V	50.50V	50.65V
Short Circuit Current	11.29A	11.35A	11.41A	11.45A	11.51A	11.54A	11.59A
Maximun Power Voltage	40.44V	40.58V	40.72V	40.88V	41.02V	41.17V	41.32V
Maximum Power Current	10.98A	11.04A	11.10A	11.13A	11.19A	11.22A	11.28A

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

ELECTRICAL PARAMETERS (AT 10% BIFACIAL POWER OUTPUT)

Output Power	649W	655W	660W	666W	671W	677W	682W
Open Circuit Voltage	52.43V	52.58V	52.73V	52.88V	53.03V	53.18V	53.33V
Short Circuit Current	15.55A	15.64A	15.70A	15.79A	15.86A	15.95A	16.01A
Maximun Power Voltage	43.44V	43.58V	43.74V	43.91V	44.06V	44.22V	44.36V
Maximum Power Current	14.94A	15.03A	15.09A	15.17A	15.23A	15.31A	15.37A

TEMPERATURE CHARACTERISTICS

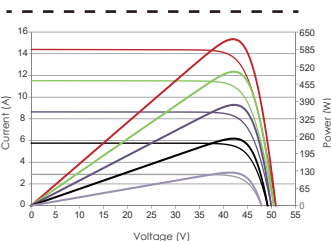
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

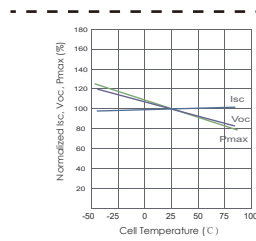
Modules/Pallet	37 Pieces	Modules/40'Container	740 Pieces
Packing Description	20 Pallets, Total=(37+37)x10=740 Pieces		

CHARACTERISTICS

LP182*182-M-72-NB-600W



LP182*182-M-72-NB-600W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A

