



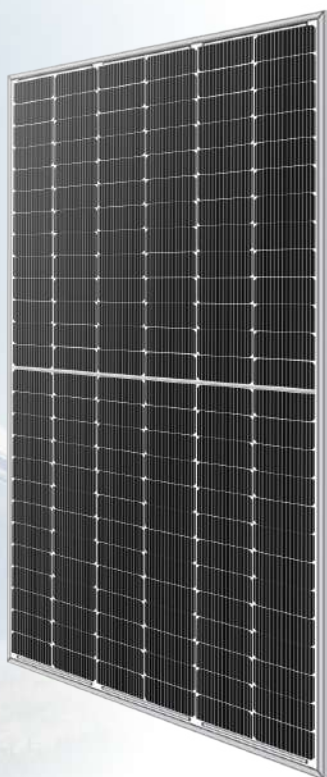
Monofacial

Bifacial

LP182*182-M-78-NB

Rated Power 600-620W

N-Type TOPCon Dual Glass



N-Type MBB Cell

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



Bifacial with dual glass

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



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



Low Light Features

Higher performance under low light environment.



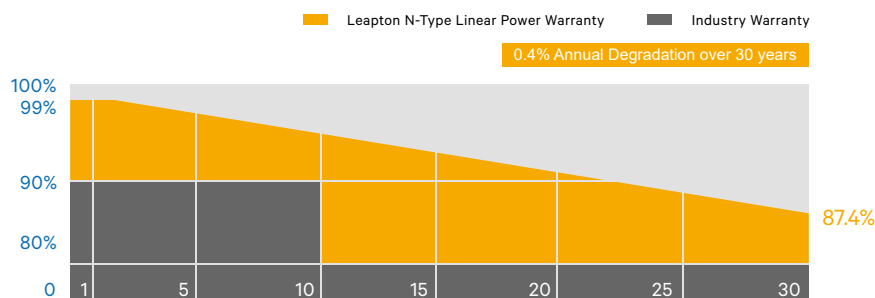
PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



Load Capacity

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



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Manufacturer : Leapton Solar (Changshu) Co., Ltd.

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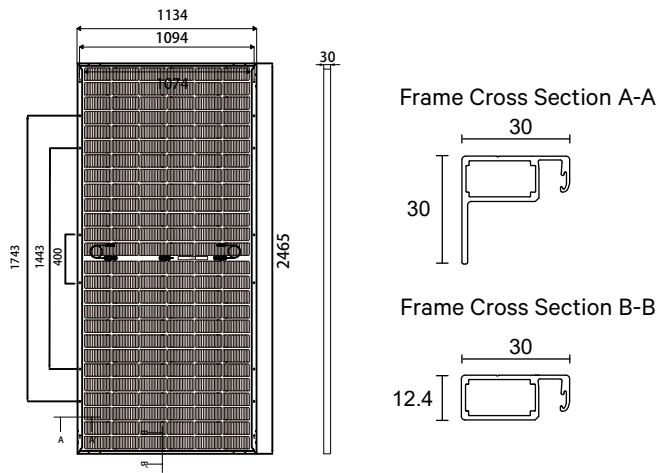
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	33.3kg
Dimensions	2465mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	78*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Front glass	2.0mm, Anti-Reflection Coating
Back glass	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	600W	605W	610W	615W	620W
Open Circuit Voltage	55.01V	55.16V	55.31V	55.46V	55.61V
Short Circuit Current	13.86A	13.92A	13.98A	14.04A	14.09A
Maximum Power Voltage	45.15V	45.32V	45.46V	45.63V	45.76V
Maximum Power Current	13.29A	13.35A	13.42A	13.48A	13.55A
Module Efficiency	21.46%	21.64%	21.82%	22.00%	22.18%

* 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	452W	455W	459W	463W	467W
Open Circuit Voltage	52.21V	52.36V	52.51V	52.66V	52.81V
Short Circuit Current	11.19A	11.21A	11.26A	11.30A	11.36A
Maximum Power Voltage	42.09V	42.25V	42.39V	42.56V	42.69V
Maximum Power Current	10.74A	10.77A	10.83A	10.88A	10.94A

* 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	660W	666W	671W	677W	682W
Open Circuit Voltage	55.01V	55.16V	55.31V	55.46V	55.61V
Short Circuit Current	15.34A	15.42A	15.47A	15.55A	15.60A
Maximum Power Voltage	45.18V	45.31V	45.46V	45.62V	45.77V
Maximum Power Current	14.61A	14.70A	14.76A	14.84A	14.90A

TEMPERATURE CHARACTERISTICS

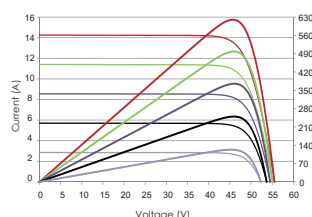
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

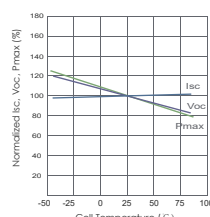
Modules/Pallet	37 Pieces	Modules/40'Container	664 Pieces
Packing Description	18 Pallets, Total=37*16+36*2=664 Pieces		

CHARACTERISTICS

LP182*182-M-78-NB-620W



LP182*182-M-78-NB-620W



MAXIMUM RATING

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



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