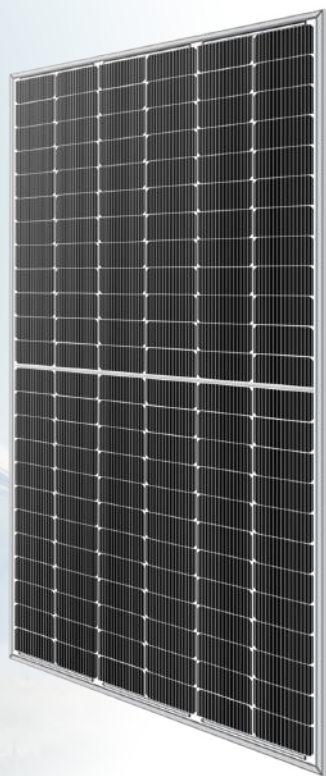


LP182*182-M-72-NB

Rated Power 580-600W

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.

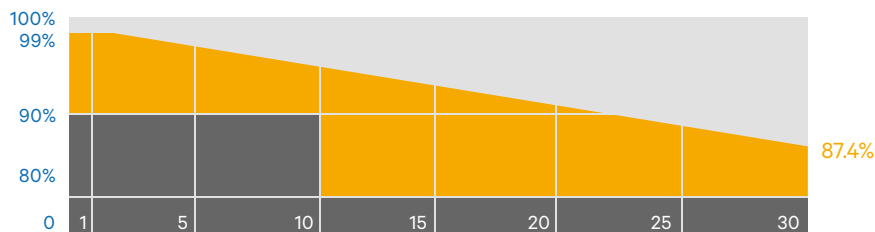


Harsh Environmental Adaptability
Strict salt spray and ammonia corrosion test by TUV Nord.



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

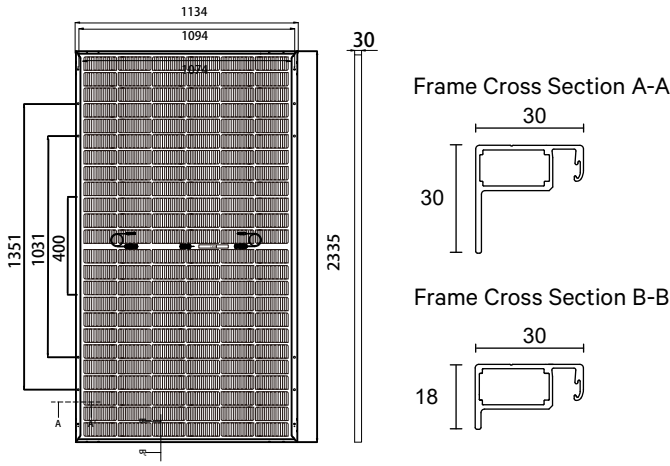
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	32.5kg
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	580W	585W	590W	595W	600W
Open Circuit Voltage	52.13V	52.28V	52.43V	52.58V	52.73V
Short Circuit Current	13.92A	13.98A	14.05A	14.12A	14.19A
Maximun Power Voltage	43.16V	43.30V	43.45V	43.59V	43.74V
Maximum Power Current	13.44A	13.51A	13.58A	13.65A	13.72A
Module Efficiency	21.90%	22.09%	21.28%	22.47%	22.66%

* 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	437W	440W	444W	448W	452W
Open Circuit Voltage	49.45V	49.60V	49.75V	49.90V	50.05V
Short Circuit Current	11.22A	11.24A	11.29A	11.35A	11.41A
Maximun Power Voltage	40.13V	40.26V	40.44V	40.58V	40.72V
Maximum Power Current	10.89A	10.93A	10.98A	11.04A	11.10A

* 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	638W	644W	649W	655W	660W
Open Circuit Voltage	52.13V	52.28V	52.43V	52.58V	52.73V
Short Circuit Current	15.41A	15.49A	15.55A	15.64A	15.70A
Maximun Power Voltage	43.14V	43.28V	43.44V	43.58V	43.74V
Maximum Power Current	14.79A	14.88A	14.94A	15.03A	15.09A

TEMPERATURE CHARACTERISTICS

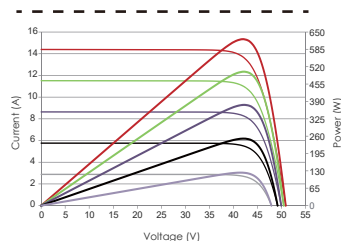
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

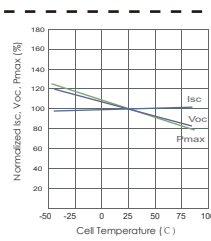
Modules/Pallet	36 Pieces	Modules/40'Container	720 Pieces
Packing Description	20 Pallets, Total=(36+36)x10=720 Pieces		

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

