



Monofacial

Bifacial

# LP182\*182-M-72-NB

## N-Type Double Glass

Rated Power 590W 600W

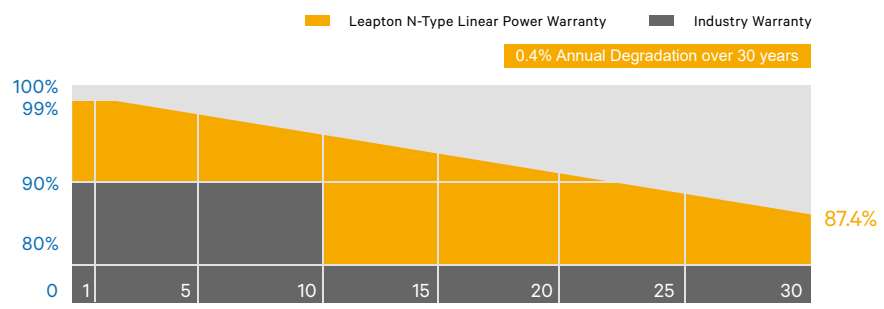


**N** N-Type MBB Cell  
New circuit design N-type cells, can increase the output power of 10W~20W

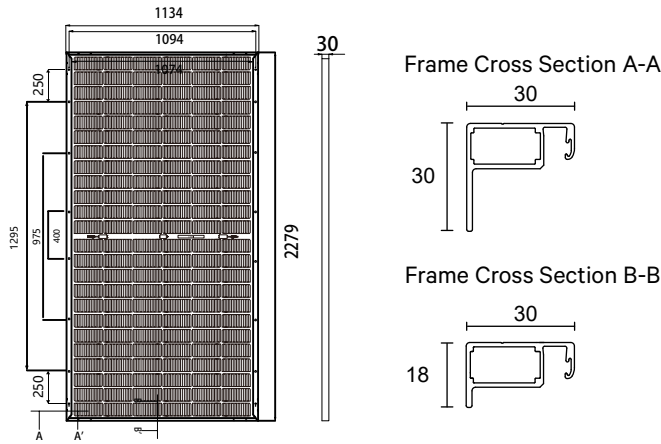
**LOW LIGHT** Low Light Features  
Higher performance under low light environment.

**CONVERSION** Bifacial with double-glass  
Module adopts 182\*182mm half cells, bifacial module provide an additional 5%~25% output.

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



## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Weight	32kg
Dimensions	2279mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	72*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm <sup>2</sup> , N 1400mm/P 1400mm for Horizontal installation 4mm <sup>2</sup> , N 300mm/P 300mm for Vertical installation
Connector	PV-GZX 1500 NINGBO GZX PV TECHNOLOGY CO., LTD.
Bifaciality	ΦPmax=80±10%, ΦVoc=99±5%, ΦIsc=80±10%
Country of Manufacturer	China
Fire Safety Class	Class C according to ANSI/UL 1703-2018

## ELECTRICAL PARAMETERS AT STC

Module Name	LP182*182-M -72-NB-590W	LP182*182-M -72-NB-600W
Power	590W±3%	600W±3%
Open Circuit Voltage	51.87V±5%	52.17V±5%
Short Circuit Current	14.30A±5%	14.43A±5%
Maximum Power Voltage	42.79V	43.08V
Maximum Power Current	13.79A	13.93A
Module Efficiency	22.83%	23.22%

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## ELECTRICAL PARAMETERS AT NMOT

Power	444W	452W
Open Circuit Voltage	49.29V	49.59V
Short Circuit Current	11.46A	11.57A
Maximum Power Voltage	39.97V	40.25V
Maximum Power Current	11.11A	11.23A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## ELECTRICAL PARAMETERS AT BNPI

Output Power	654W	665W
Open Circuit Voltage	52.07V	52.37V
Short Circuit Current	15.84A	15.99A
Maximum Power Voltage	42.99V	43.28V
Maximum Power Current	15.21A	15.37A

## TEMPERATURE CHARACTERISTICS

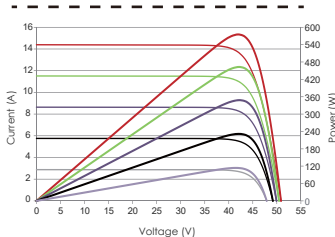
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

## PACKING CONFIGURATION

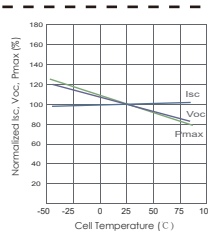
Modules/Pallet	36 Pieces	Modules/40'Container	720 Pieces
Packing Description	20 Pallets, Total=(36+36)x10=720 Pieces		

## CHARACTERISTICS

LP182\*182-M-72-NB-580W



LP182\*182-M-72-NB-580W



## MAXIMUM RATING

Power sorting tolerance	0~+5W
Output Tolerance	±3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A

**25** YEARS Product Warranty

**30** YEARS Power Warranty