



Monofacial

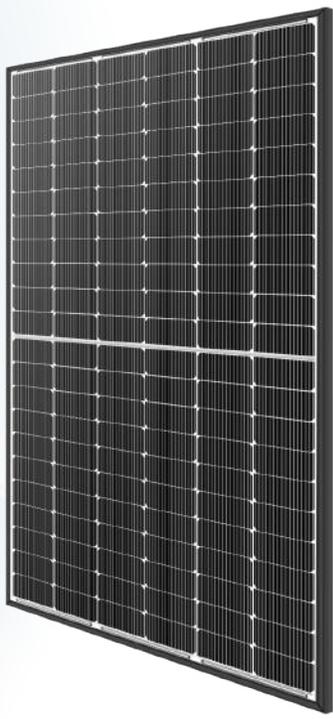
Bifacial

# LP182\*199-M-66-NH N-Type TOPCon

Rated Power 560W, 570W, 585W

Power Tolerance: 0~+5 W

**FIBERGLASS FRAME**



**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.



**Superb corrosion resistance**  
With fiberglass frame, resistant to salt spray and ammonia. Can be installed in any environment.



**Maintains its shape**  
Fiberglass has highly resistant to deformation, even in extreme conditions like high temperature and humidity.



**Higher Output Power**  
Module adopts 182\*199mm half cells, the maximum power can reach 585W.



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

■ Leapton Energy N-Type Linear Power Warranty ■ Industry Warranty

0.4% Annual Degradation over 30 years



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

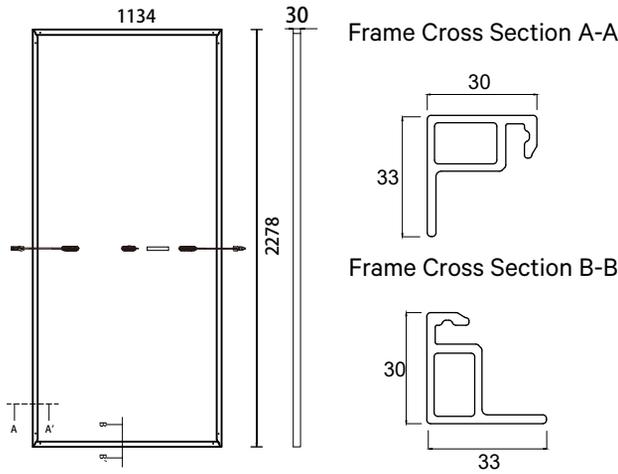
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## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Weight	28kg
Dimensions	2278mm*1134mm*30mm
Cell Dimensions	182*199mm
Cell type	Mono Si
Front glass	3.2 mm, Heat Strengthened Glass
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Fiberglass
Cable	4mm <sup>2</sup> , N 1400mm/P 1400mm for Horizontal installation 4mm <sup>2</sup> , N 300mm/P 300mm for Vertical installation
Connector	MC4 compatible
Code	EX 608, EX 615, EX 871

## ELECTRICAL PARAMETERS AT STC

Power	560W	570W	585W
Open Circuit Voltage	47.42V	47.82V	48.42V
Short Circuit Current	15.00A	15.12A	15.27A
Maximum Power Voltage	39.51V	39.91V	40.51V
Maximum Power Current	14.17A	14.28A	14.44A
Module Efficiency	21.68%	22.1%	22.65%

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. \* Measuring tolerance: ±3%

## ELECTRICAL PARAMETERS AT NMOT

Power	421W	429W	440W
Open Circuit Voltage	45.04V	45.44V	46.04V
Short Circuit Current	12.01A	12.13A	12.25A
Maximum Power Voltage	36.84V	37.24V	37.84V
Maximum Power Current	11.43A	11.52A	11.63A

\* 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.

## TEMPERATURE CHARACTERISTICS

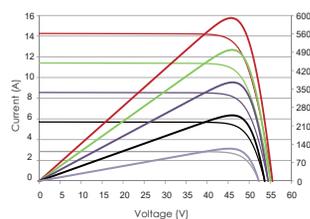
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

## PACKING CONFIGURATION

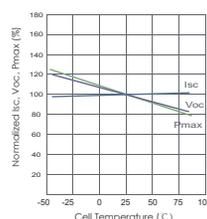
Modules/Pallet	36 Pieces	Modules/40'Container	720 Pieces
Packing Description	20 Pallets, Total=(36+36)x10=720 Pieces		

## CHARACTERISTICS

LP182\*199-M-66-NH-585W



LP182\*199-M-66-NH-585W



## MAXIMUM RATING

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

