



LEAPTON
SOLAR

Monofacial

Bifacial

LP182*182-M-60-NB

Rated Power 475W 480W 500W

N-Type Double Glass



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



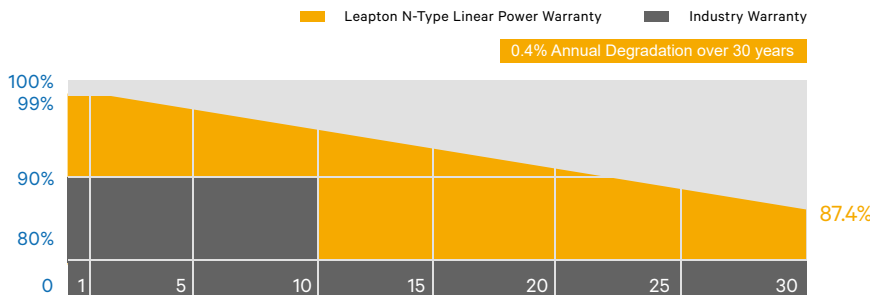
Low Light Features
Higher performance under low light environment.



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



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.

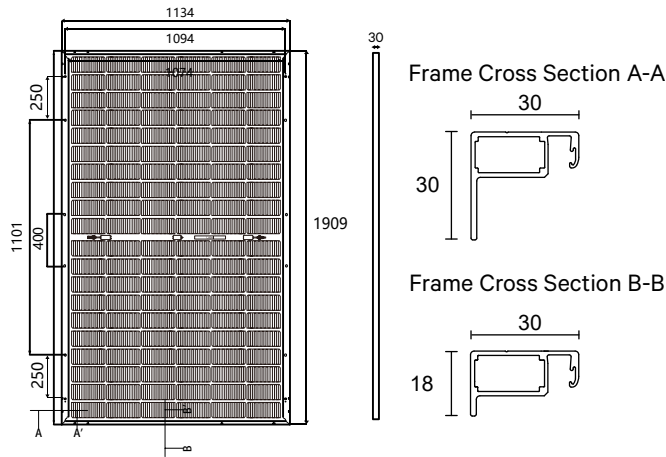
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	26.5kg
Dimensions	1909mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	60*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1200mm/P 1200mm for Horizontal installation 4mm ² , 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	LP182*182-M	LP182*182-M
	60-NB-475W	60-NB-480W	60-NB-500W
Power	475W±3%	480W±3%	500W±3%
Open Circuit Voltage	42.75V±5%	42.90V±5%	43.50V±5%
Short Circuit Current	14.04A±5%	14.12A±5%	14.44A±5%
Maximum Power Voltage	35.19V	35.32V	35.92V
Maximum Power Current	13.50A	13.59A	13.92A
Module Efficiency	21.94%	22.17%	23.10%

* 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	358W	361W	376W
Open Circuit Voltage	40.60V	40.75V	41.35V
Short Circuit Current	11.33A	11.36A	11.56A
Maximum Power Voltage	32.82V	32.97V	33.57V
Maximum Power Current	10.91A	10.95A	11.20A

* 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 BNPI

Output Power	526W	532W	554W
Open Circuit Voltage	42.95V	43.10V	43.70V
Short Circuit Current	15.56A	15.64A	16.00A
Maximum Power Voltage	35.39V	35.52V	36.12V
Maximum Power Current	14.86A	14.98A	15.34A

TEMPERATURE CHARACTERISTICS

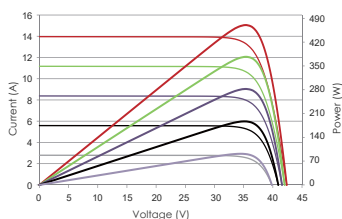
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

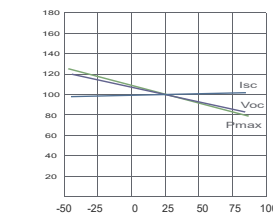
Modules/Pallet	36 Pieces	Modules/40'Container	864 Pieces
Packing Description	24 Pallets, Total=(36+36)x12=864 Pieces		

CHARACTERISTICS

LP182*182-M-60-NB-500W



LP182*182-M-60-NB-500W



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