



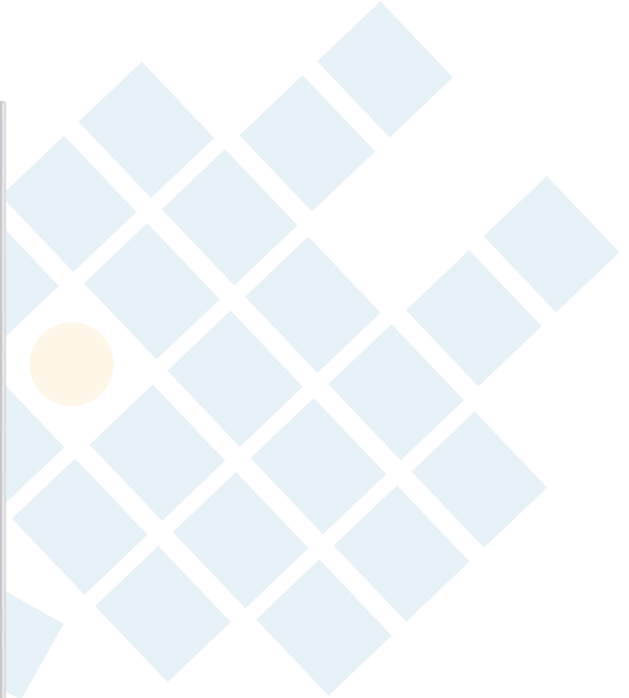
LEAPTON
SOLAR

Monofacial

Bifacial

LP182*210-M-66-NB N-Type TOPCon Dual Glass

Rated Power 610W 620W 630W



N-Type 182*210mm Cell
Adopting the 182*210mm N-Type TOPCon battery cells with the highest efficiency.



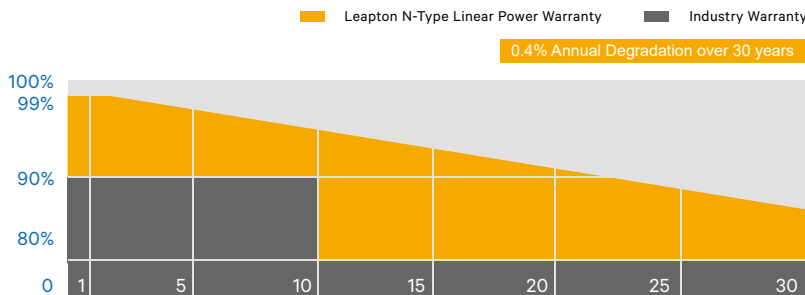
Low Light Features
Higher performance under low light environment.



Bifacial with dual glass
Module adopts 182*210mm 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.

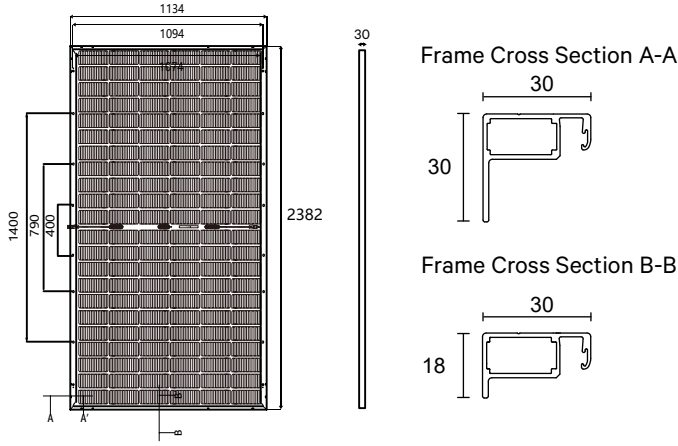
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	33.5kg
Dimensions	2382mm*1134mm*30mm
Cell Dimensions	182*210mm
Cell Amount	66*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1500mm/P 1500mm for Horizontal installation 4mm ² , N 300mm/P 300mm for Vertical installation
Connector	PV-GZX 1500 NINGBO GXZ 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*210-M-66-NB-610W	LP182*210-M-66-NB-620W	LP182*210-M-66-NB-630W
Power	610W±3%	620W±3%	630W±3%
Open Circuit Voltage	49.05V±5%	49.55V±5%	49.95V±5%
Short Circuit Current	15.84A±5%	15.93A±5%	16.05A±5%
Maximum Power Voltage	40.66V	41.06V	41.46V
Maximum Power Current	15.00A	15.10A	15.20A
Module Efficiency	22.58%	22.95%	23.32%

* 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	465W	472W	480W
Open Circuit Voltage	46.51V	47.01V	47.41V
Short Circuit Current	12.78A	12.84A	12.93A
Maximum Power Voltage	38.20V	38.60V	39.00V
Maximum Power Current	12.17A	12.23A	12.31A

* 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	676W	687W	696W
Open Circuit Voltage	49.25V	49.75V	50.15V
Short Circuit Current	17.55A	17.65A	17.78A
Maximum Power Voltage	40.86V	41.26V	41.66V
Maximum Power Current	16.54A	16.65A	16.71A

TEMPERATURE CHARACTERISTICS

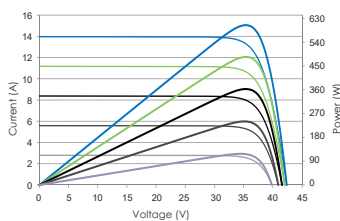
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

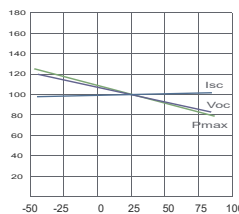
Modules/Pallet	36 Pieces	Modules/40'Container	720 Pieces
Packing Description	20 Pallets, Total=(36+36)x10=720 Pieces		

CHARACTERISTICS

LP182*210-M-66-NB-610W



LP182*210-M-66-NB-610W



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 Quality Warranty

30 YEARS Power Warranty