



Monofacial

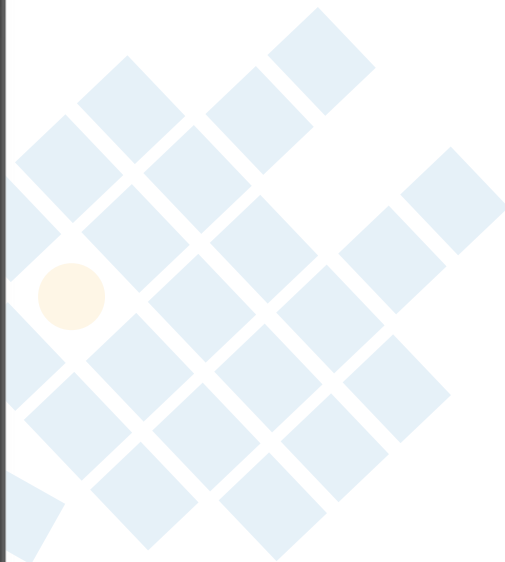
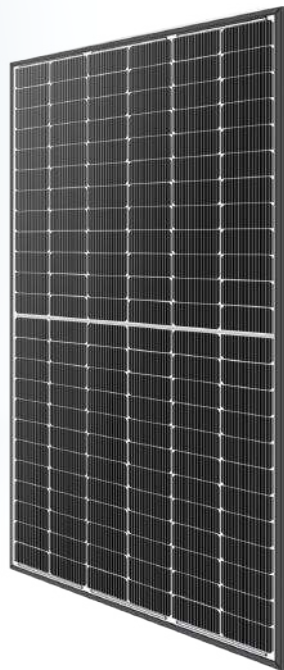
Bifacial

LP182*199-M-72-NB

N-Type Dual Glass

Rated Power 620W

Power Tolerance: 0~+5 W



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.



Bifacial with double glass

Module adopts 182*199mm half cells, bifacial module provide an additional 5%~25% output.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



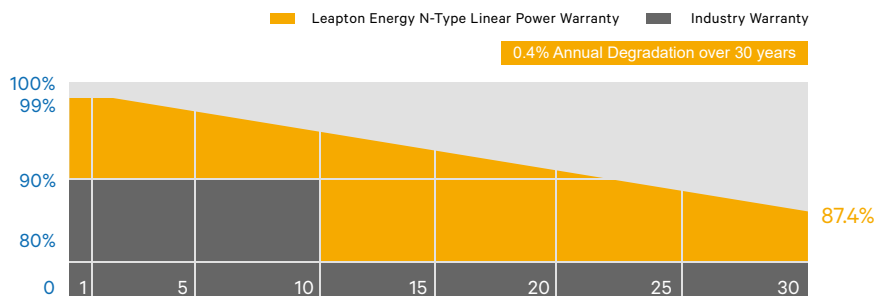
Harsh Environmental Adaptability

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.



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

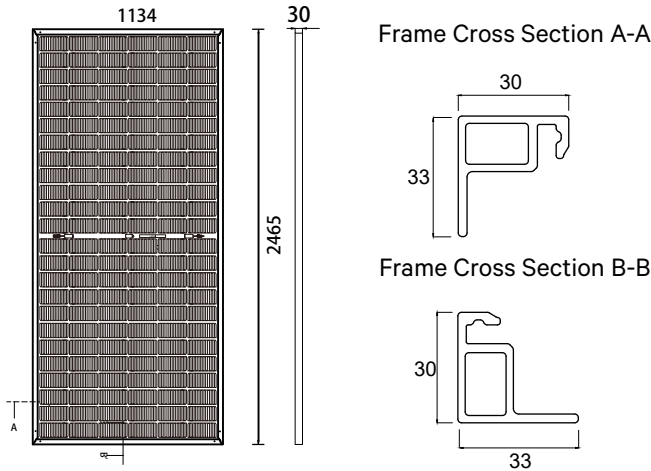
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MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	35.3kg
Dimensions	2465mm*1134mm*30mm
Cell Dimensions	182*199mm
Cell Amount	72*2 pcs
Cell type	Mono Si
Front glass	2.0mm, Anti-Reflection Coating
Back galss	2.0mm, Heat Strengthened Glass
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Fiberglass
Cable	4mm2, N 1500mm/P 1500mm for Horizontal installation 4mm2, N 300mm/P 300mm for Vertical installation
Connector	MC4 compatible
Ex-tarifario	EX 839

ELECTRICAL PARAMETERS AT STC

Power	620W
Open Circuit Voltage	52.09V
Short Circuit Current	15.09A
Maximun Power Voltage	43.48V
Maximum Power Current	14.26A
Module Efficiency	22.2%

ELECTRICAL PARAMETERS AT NMOT

Power	467W
Open Circuit Voltage	49.49V
Short Circuit Current	12.13A
Maximun Power Voltage	40.55V
Maximum Power Current	11.52A

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C. * Measuring tolerance: ±3%
* 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 (10% BIFACIAL)

Output Power	682W
Open Circuit Voltage	52.09V
Short Circuit Current	16.64A
Maximun Power Voltage	43.48V
Maximum Power Current	15.68A

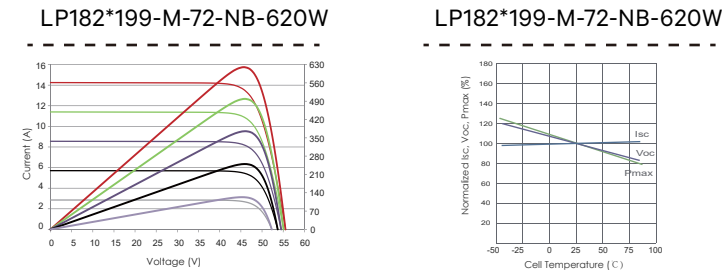
TEMPERATURE CHARACTERISTICS

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

PACKING CONFIGURATION

Modules/Pallet	36 Pieces	Modules/40'Container	648 Pieces
Packing Description	18 Pallets, Total=(36+36)x9=648 Pieces		

CHARACTERISTICS



MAXIMUM RATING

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



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