



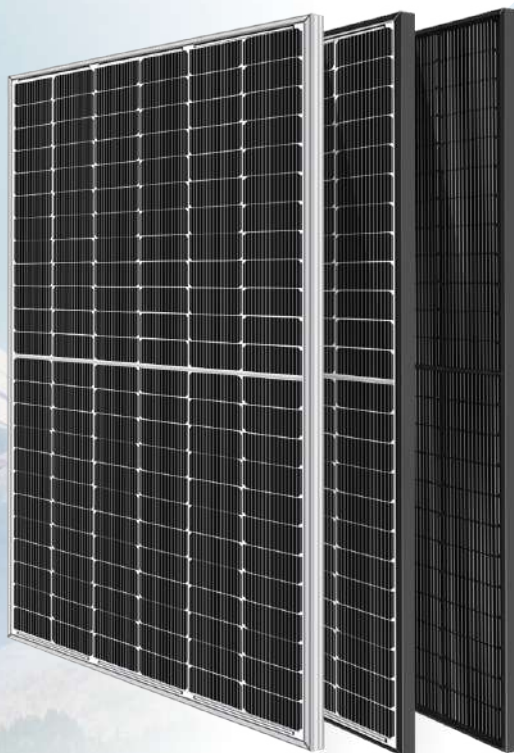
Monofacial

Bifacial

LP182*182-M-72-NH

Rated Power 580-600W

N-Type TOPCon



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.



Higher Output Power

Module adopts 144 pcs of 182*182mm half cells, the maximum power can reach 600W.



Load Capacity

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



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.

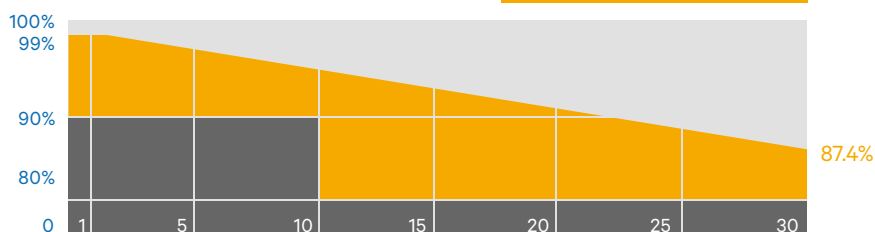


PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.

Leapton N-Type Linear Power Warranty Industry Warranty

0.4% Annual Degradation over 30 years



Headquarter : Leapton Energy Co., Ltd.

Tosei Bldg. 6F, 1-2-1 Aioi-cho, Chuo-ku Kobe-shi, Hyogo, 650-0025, Japan

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

No.9, Sunshine Avenue, Changshu City, Jiangsu, China

+81-78-382-3182

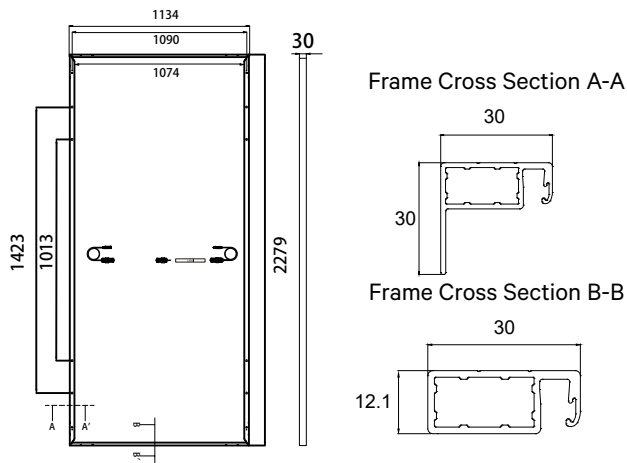
www.leaptonenergy.jp

+86-512-88800068

info@leaptonenergy.com

www.leaptonpv.com

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	26.6kg
Dimensions	2279mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	72*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Front glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Aluminum Alloy
Cable	4mm ² , N 1400mm/P 1400mm for Horizontal installation 4mm ² , N 300mm/P 300mm for Vertical installation
Connector	MC4 compatible

ELECTRICAL PARAMETERS AT STC

Power	580W	585W	590W	595W	600W
Open Circuit Voltage	51.57V	51.72V	51.87V	52.02V	52.17V
Short Circuit Current	14.18A	14.24A	14.30A	14.38A	14.43A
Maximum Power Voltage	42.49V	42.64V	42.79V	42.93V	43.08V
Maximum Power Current	13.65A	13.72A	13.79A	13.86A	13.93A
Module Efficiency	22.44%	22.64%	22.83%	23.02%	23.22%

* 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	437W	440W	444W	448W	452W
Open Circuit Voltage	48.99V	49.14V	49.29V	49.44V	49.59V
Short Circuit Current	11.40A	11.42A	11.46A	11.52A	11.57A
Maximum Power Voltage	39.66V	39.82V	39.97V	40.11V	40.25V
Maximum Power Current	11.02A	11.05A	11.11A	11.17A	11.23A

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

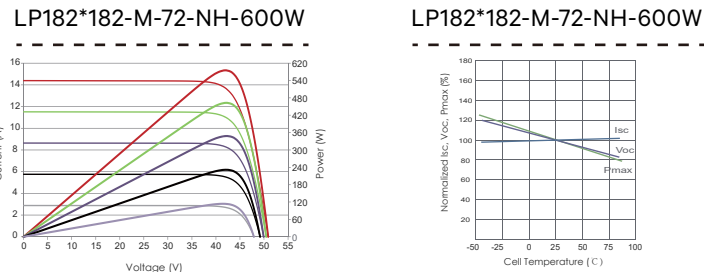
TEMPERATURE CHARACTERISTICS

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	37 Pieces	Modules/40'Container	740 Pieces
Packing Description	20 Pallets, Total=(37+37)x10=740 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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