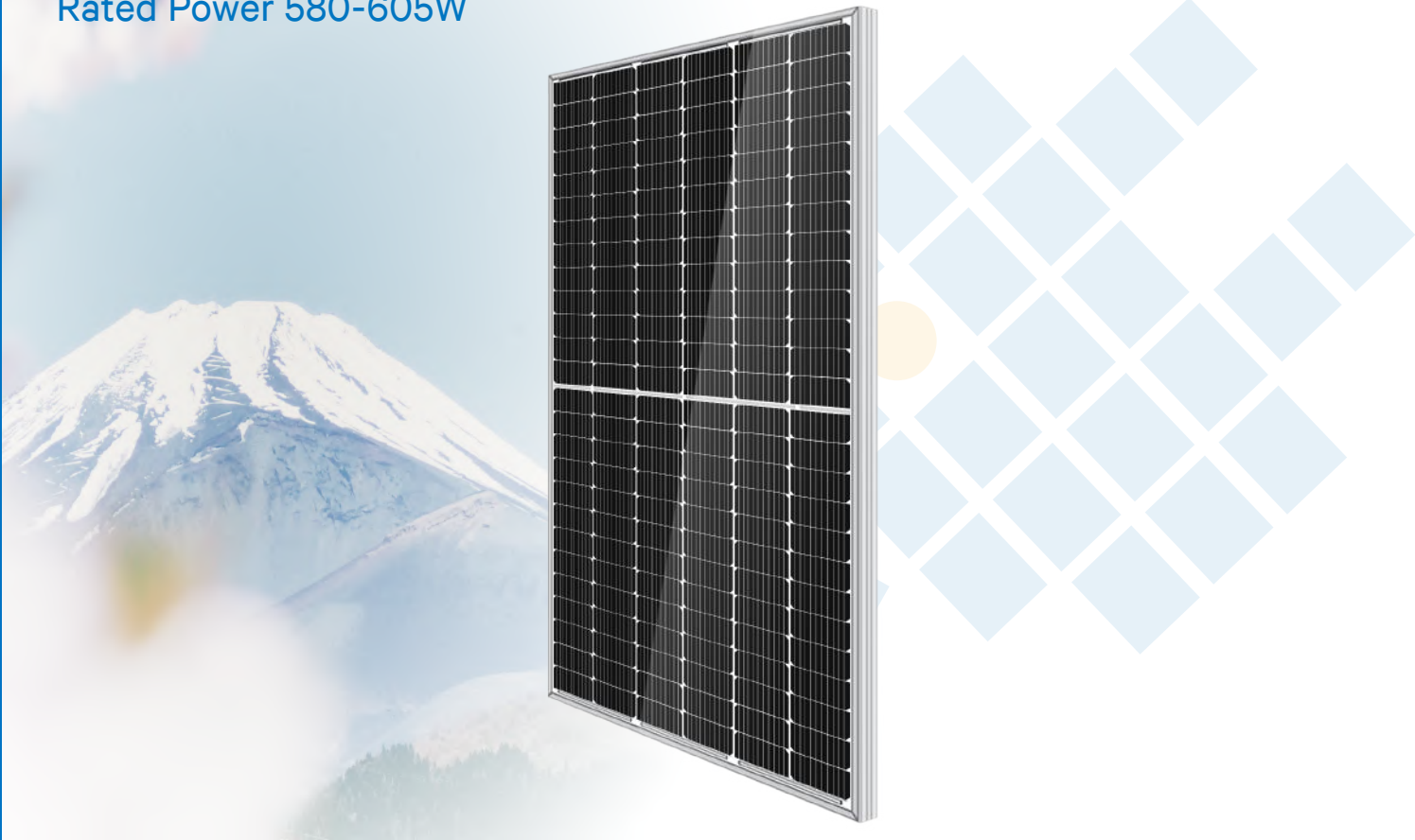


LP182*182-M-78-MH

Rated Power 580-605W



MBB Cell
New circuit design, lower internal current, lower internal resistance loss.



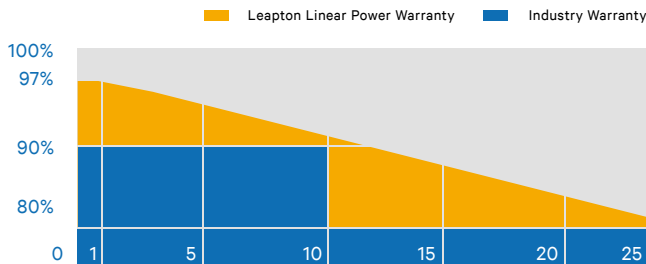
Low Light Features
Higher performance under low light environment.



Higher Output Power
Module adopts 156 pcs of 182*182mm half cells, the maximum power can reach 605W.



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



*J-PEC Product



IEC 61215-2: 2016
IEC 61730-2: 2016

Headquarter : Leapton Energy Co., Ltd.

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🌐 www.leaptonenergy.jp

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

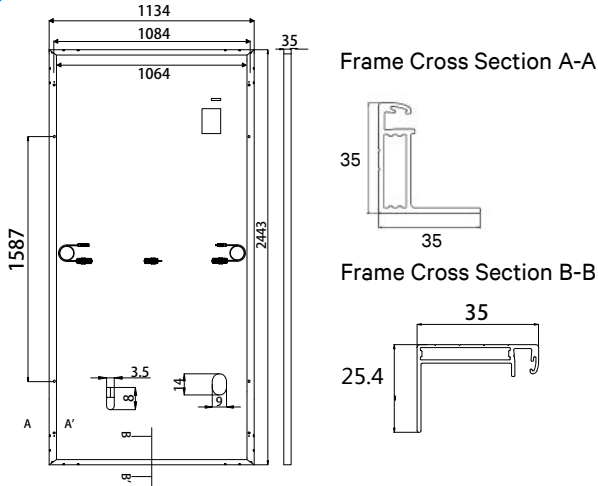
📍 No.9, Sunshine Avenue, Changshu City, Jiangsu, China

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🌐 www.leaptonpv.com

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	31kg
Dimensions	2443mm*1134mm*35mm
Cell Dimensions	182*182mm
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape: N 1500mm/P 1500mm Portrait: N 200mm/P 300mm
Connector	PV-GZX 1500
Application Level	Class A
Country of Manufacturer	China
Fire Safety Class	Class C according to ANSI/UL 1703-2108 (per ANSI/UL 790-2018)

ELECTRICAL PARAMETERS AT STC

Module Name	LP182*182-M -78-MH-590W	LP182*182-M -78-MH-595W	LP182*182-M -78-MH-600W	LP182*182-M -78-MH-605W
Power	590W±3%	595W±3%	600W±3%	605W±3%
Open Circuit Voltage	53.70V±5%	53.90V±5%	54.10V±5%	54.30V±5%
Short Circuit Current	13.94A±5%	14.01A±5%	14.08A±5%	14.15A±5%
Maximum Power Voltage	44.80V	45.00V	45.20V	45.40V
Maximum Power Current	13.17A	13.22A	13.27A	13.32A
Module Efficiency	21.30%	21.48%	21.66%	21.84%

* 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	435W	438W	442W	446W
Open Circuit Voltage	50.20V	50.40V	50.60V	50.80V
Short Circuit Current	11.23A	11.28A	11.33A	11.38A
Maximum Power Voltage	41.80V	42.00V	42.20V	42.39V
Maximum Power Current	10.41A	10.45A	10.50A	10.54A
Module Efficiency	15.70%	15.81%	15.95%	16.10%

* 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	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

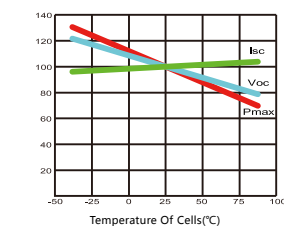
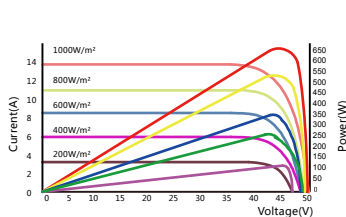
PACKING CONFIGURATION

Modules/Pallet	31 Pieces	Modules/40'Container	558 Pieces
Packing Description	17 Pallets, Total=(31+31)x9=558 Pieces		

CHARACTERISTICS

LP182*182-M-78-MH-580W

LP182*182-M-78-MH-580W



MAXIMUM RATING

Output Tolerance	±3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A