

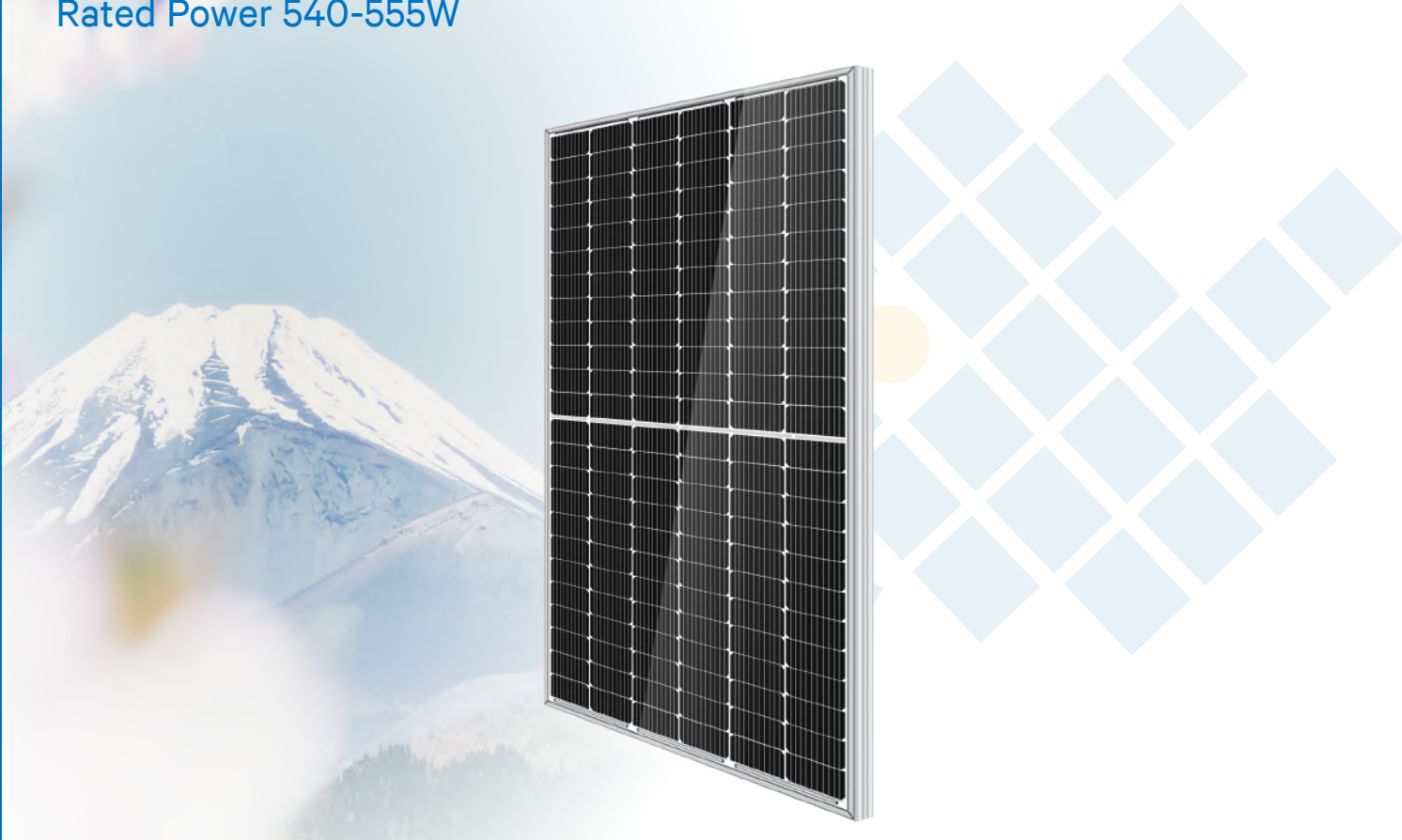


LEAPTON
SOLAR

Monocrystalline

LP182*182-M-72-MH

Rated Power 540-555W



MBB Cell

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



Low Light Features

Higher performance under low light environment.



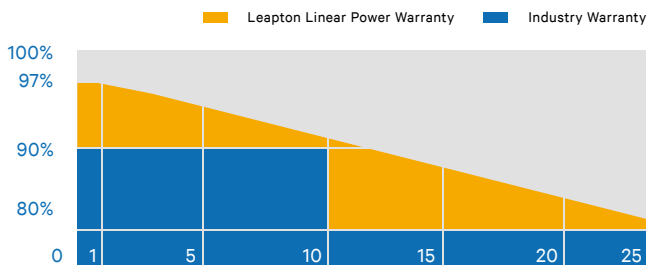
Higher Output Power

Module adopts 144 pcs of 182*182mm half cells, the maximum power can reach 555W.



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.

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

☎ +81-78-382-3182

🌐 www.leaptonenergy.jp

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

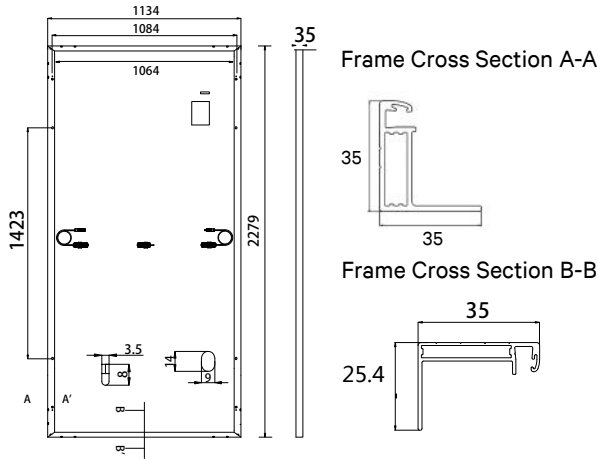
📍 No.9, Sunshine Avenue, Changshu City, Jiangsu, China

☎ +86-512-88800068

✉ info@leaptonenergy.com

🌐 www.leaptonpv.com

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	29kg
Dimensions	2279mm*1134mm*35mm
Cell Dimensions	182*182mm
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape: N 1400mm/P 1400mm 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 -72-MH-540W	LP182*182-M -72-MH-545W	LP182*182-M -72-MH-550W	LP182*182-M -72-MH-555W
Power	540W±3%	545W±3%	550W±3%	555W±3%
Open Circuit Voltage	49.40V±5%	49.60V±5%	49.80V±5%	50.00V±5%
Short Circuit Current	13.87A±5%	13.93A±5%	13.99A±5%	14.05A±5%
Maximum Power Voltage	41.20V	41.40V	41.60V	41.80V
Maximum Power Current	13.11A	13.17A	13.23A	13.29A
Module Efficiency	20.90%	21.09%	21.28%	21.48%

* 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	402W	406W	410W	414W
Open Circuit Voltage	46.30V	46.40V	46.60V	46.80V
Short Circuit Current	11.18A	11.23A	11.28A	11.33A
Maximum Power Voltage	38.40V	38.60V	38.80V	39.00V
Maximum Power Current	10.49A	10.54A	10.58A	10.62A
Module Efficiency	15.56%	15.71%	15.86%	16.02%

* 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

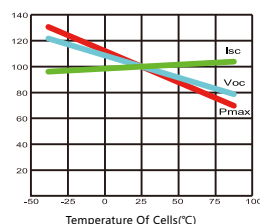
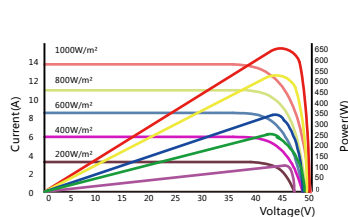
PACKING CONFIGURATION

Modules/Pallet	31 Pieces	Modules/40'Container	620 Pieces
Packing Description	20 Pallets, Total=(31+31)x10=620 Pieces		

CHARACTERISTICS

LP182*182-M-72-MH-540W

LP182*182-M-72-MH-540W



MAXIMUM RATING

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

25 YEARS
Product Warranty

25 YEARS
Power Warranty