



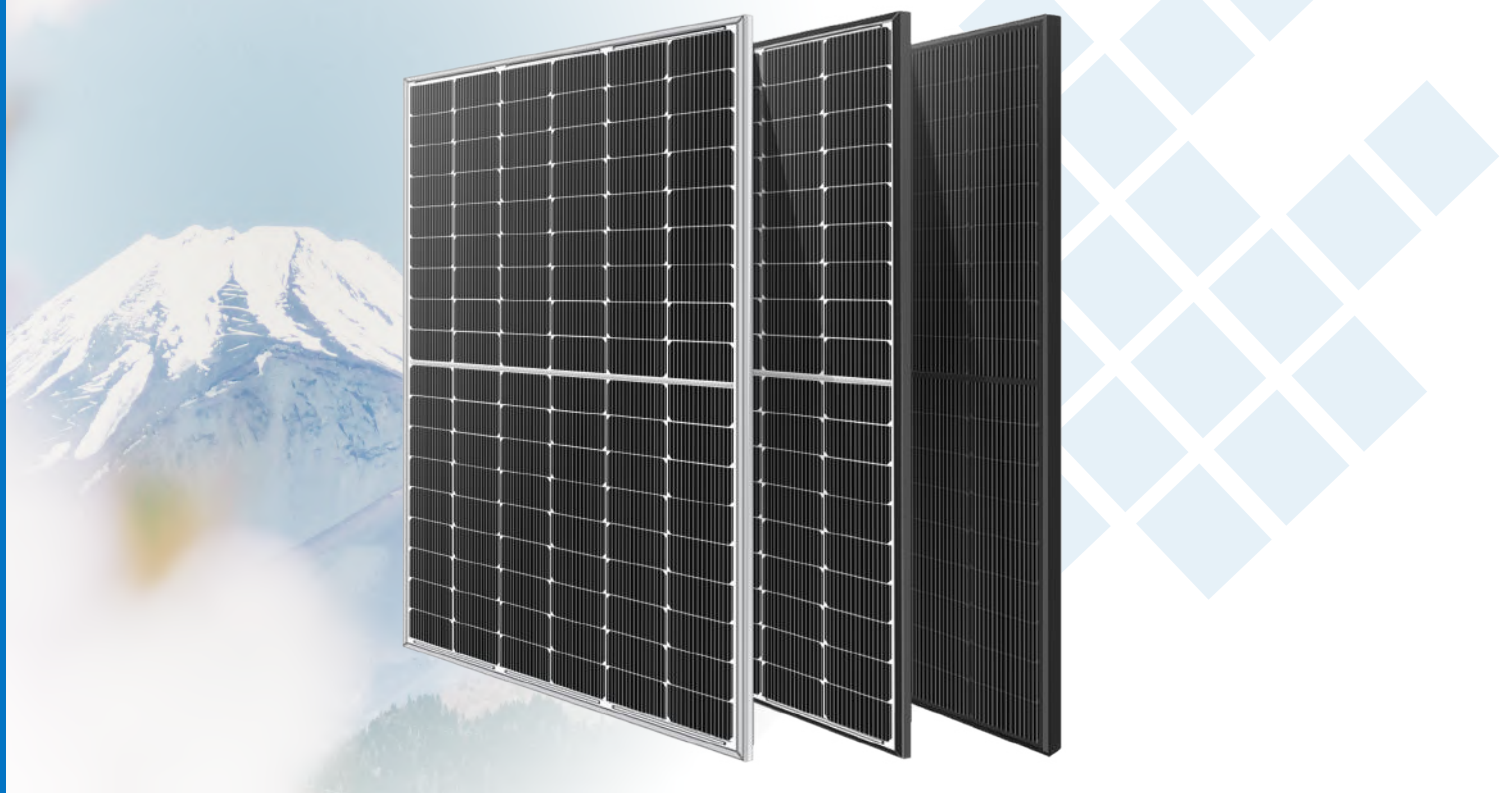
Monofacial

Bifacial

LP182*182-M-54-NH

N-Type TOPCon

Rated Power 440-450W



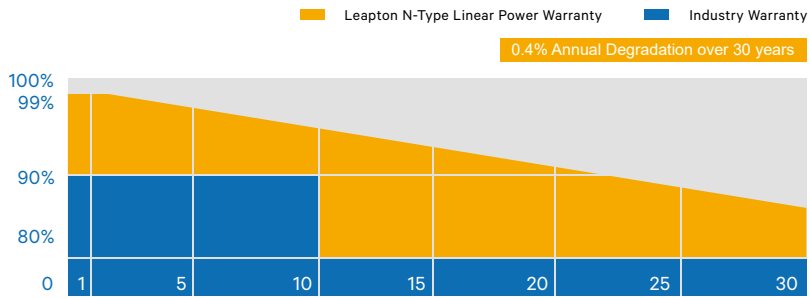
N-Type MBB Cell
New circuit design N-type cells, can increase the output power of 10W~20W



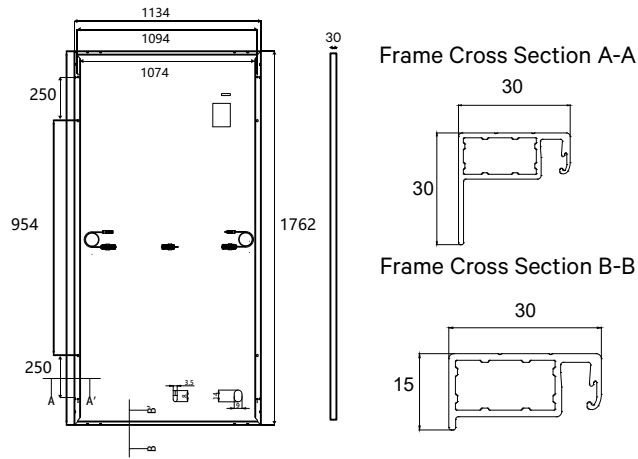
Low Light Features
Higher performance under low light environment.



Higher Output Power
Module adopts 108 pcs of 182*182mm half cells, the maximum power can reach 450W.



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	22kg
Dimensions	1762mm*1134mm*30mm
Cell Dimensions	182*182mm
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , N 1100mm/P 1100mm or customized length
Connector	PV-GZX 1500 NINGBO GZX PV TECHNOLOGY CO., LTD.
Application Level	Class A
Country of Manufacturer	China
Fire Safety Class	Class C according to ANSI/UL 1703-2018

ELECTRICAL PARAMETERS AT STC

Module name	LP182*182-M -54-NH-440W	LP182*182-M -54-NH-450W
Power	440W±3%	450W±3%
Open Circuit Voltage	39.40V±5%	39.81V±5%
Short Circuit Current	13.96A±5%	14.10A±5%
Maximum Power Voltage	32.83V	33.24V
Maximum Power Current	13.40A	13.54A
Module Efficiency	22.02%	22.52%

* 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	331W	339W
Open Circuit Voltage	37.43V	37.83V
Short Circuit Current	11.19A	11.31A
Maximum Power Voltage	30.53V	30.93V
Maximum Power Current	10.84A	10.96A
Module Efficiency	16.57%	16.97%

* 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

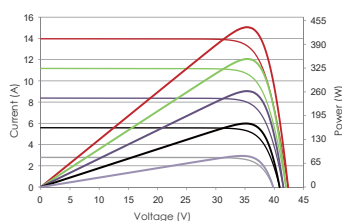
NMOT	41±3°C	Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.25%/°C	Temp Coefficient of Pmax	-0.30%/°C

PACKING CONFIGURATION

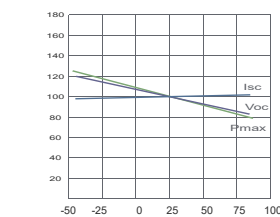
Modules/Pallet	36 Pieces	Modules/40'Container	936 Pieces
Packing Description	26 Pallets, Total=(36+36)x13=936 Pieces		

CHARACTERISTICS

LP182*182-M-54-NH-450W



LP182*182-M-54-NH-450W



MAXIMUM RATING

Power sorting tolerance	±5W
Output Tolerance	±3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	25A

25 YEARS
Product Warranty

30 YEARS
Power Warranty

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