



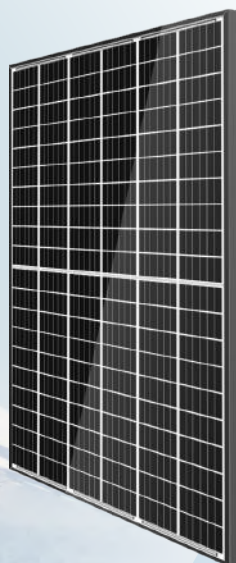
LEAPTON
SOLAR

Monocrystalline

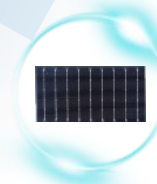
Polycrystalline

LP158*158-M-60-H/MH

Rated Power 320-345W



5BB Cell



9BB Cell



5BB/9BB Cell

More uniform current collection capability, reducing the current heat loss of the internal cells.



Low Light Features

Higher performance under low light environment.



Higher Output Power

The output power of 120 half-cells Monocrystalline modules is up to 345W.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



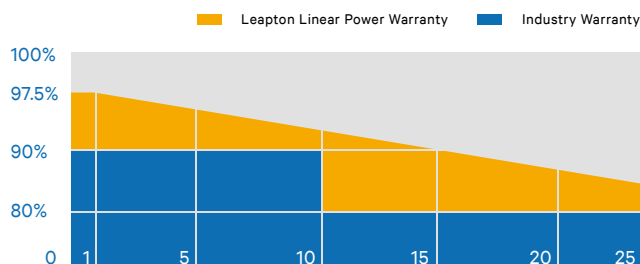
Harsh Environmental Adaptability

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.



• J-PEC Product



• IEC61215
• IEC61730



• Salt Spray Certificate
• IEC61701
(Salt Mist Corrosion Test)



• TUV PID Certificate

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.55, Sunshine Avenue, Changshu City, Jiangsu, China

☎ +81-78-382-3182

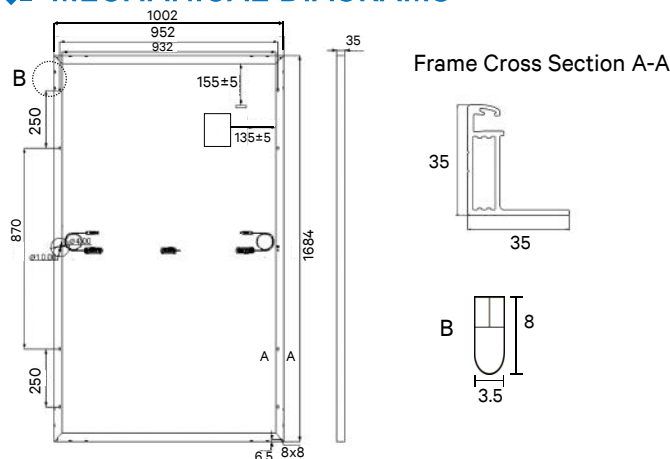
🌐 www.leaptonenergy.jp

☎ +86-512-88800068

✉ info@leaptonenergy.com

🌐 www.leaptonpv.com

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	19kg
Dimensions	1684mm*1002mm*35mm
Cell Amount	60*2 pcs
Maximum System Voltage	1000/1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape: N 1100mm/P 1100mm Portrait: N 150mm/P 300mm
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	320W	325W	330W	335W	340W	345W
Open Circuit Voltage	40.20V	40.40V	40.60V	40.80V	41.10V	41.30V
Short Circuit Current	10.20A	10.30A	10.40A	10.50A	10.60A	10.65A
Maximum Power Voltage	33.40V	33.60V	33.80V	34.00V	34.20V	34.40V
Maximum Power Current	9.58A	9.67A	9.76A	9.85A	9.94A	10.03A
Module Efficiency	19.0%	19.3%	19.6%	19.9%	20.1%	20.4%

* 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	241W	245W	249W	253W	257W	261W
Open Circuit Voltage	37.80V	38.00V	38.20V	38.40V	38.70V	38.90V
Short Circuit Current	8.23A	8.31A	8.39A	8.46A	8.55A	8.62A
Maximum Power Voltage	31.05V	31.25V	31.40V	31.60V	31.80V	32.00V
Maximum Power Current	7.76A	7.84A	7.93A	8.01A	8.08A	8.16A
Module Efficiency	14.3%	14.5%	14.8%	15.0%	15.2%	15.5%

* 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

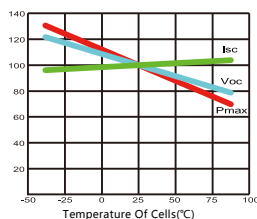
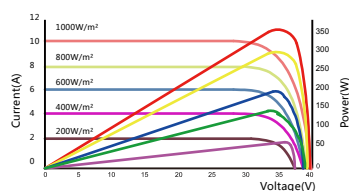
PACKING CONFIGURATION

Modules/Pallet	31 Pieces	Modules/40'Container	897 Pieces
Packing Description	26 Pallets, Total=(31+31+7)×13=897 Pieces		

CHARACTERISTICS

LP158*158-M-60-H/MH-320W

LP158*158-M-60-H/MH-320W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	15A



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