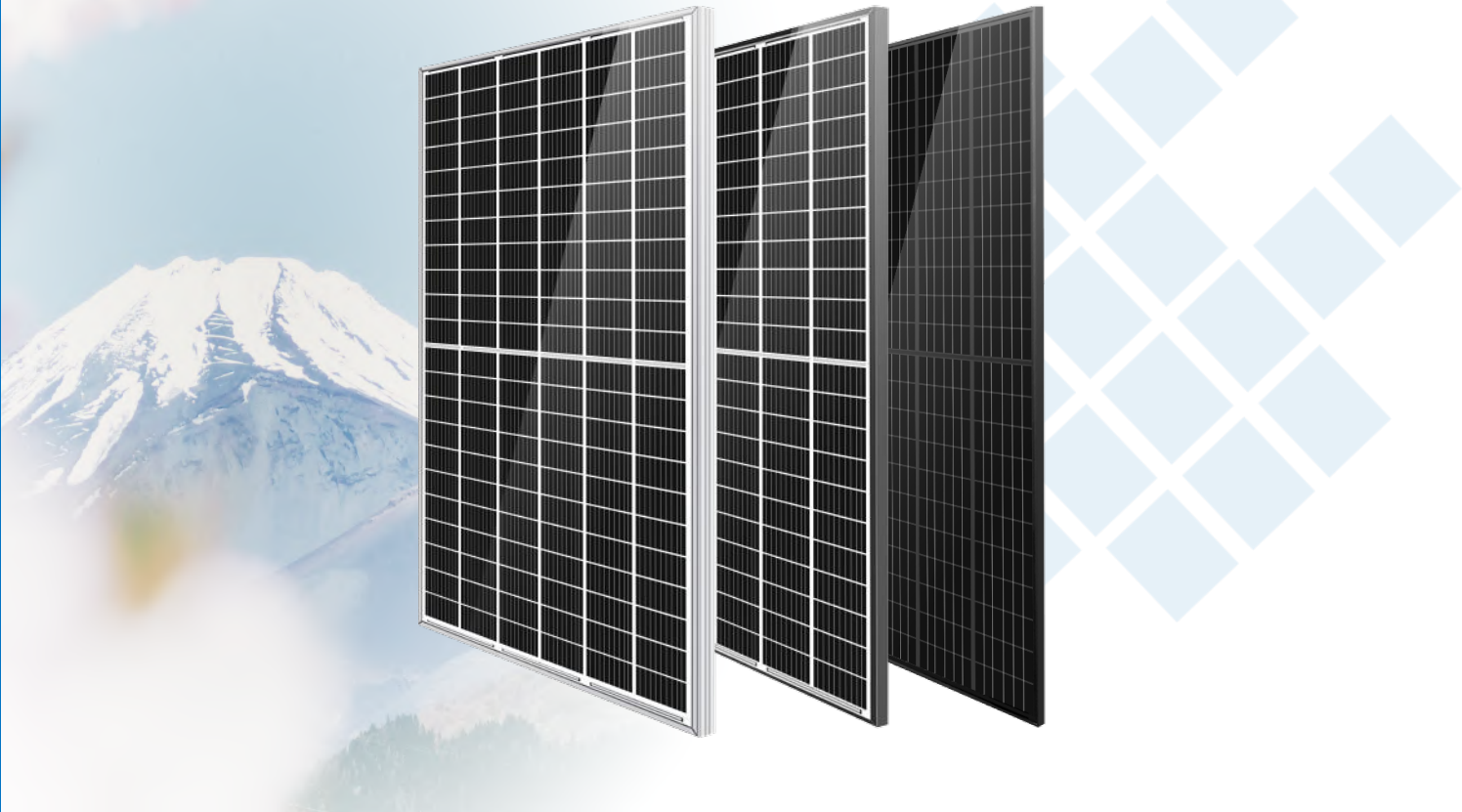


# LP158\*158-M-66-MH

Rated Power 370W



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



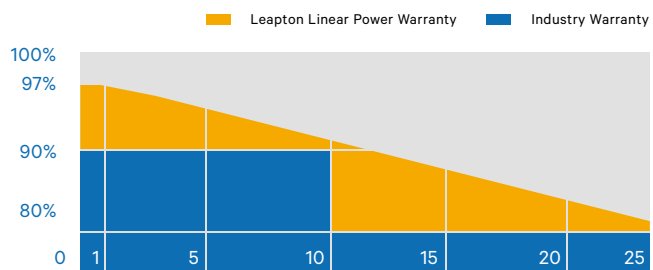
**Low Light Features**  
Higher performance under low light environment.



**Higher Output Power**  
Module adopts 132 pcs of 158\*158mm half cells, the maximum power can reach 370W.



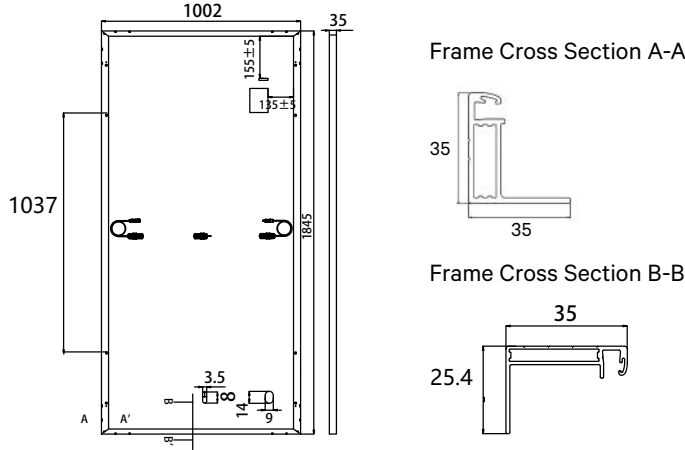
**Load Capacity**  
Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



Headquarter : Lepton Energy Co., Ltd.  
Tosei Bldg. 6F, 1-2-1 Aioi-cho, Chuo-ku Kobe-shi, Hyogo, 650-0025, Japan  
Manufacturer : Lepton Solar (Changshu) Co., Ltd.  
No.9, Sunshine Avenue, Changshu City, Jiangsu, China

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### MECHANICAL DIAGRAMS



### SPECIFICATIONS

|                         |  |
|-------------------------|--|
| Weight                  | 21kg   |
| Dimensions              | 1845mm*1002mm*35mm   |
| Cell Dimensions         | 158*158mm  |
| Maximum System Voltage  | 1500V  |
| Junction Box            | IP68   |
| Frame                   | Aluminum Alloy   |
| Cable                   | 4mm <sup>2</sup> , Landscape: N 1200mm/P 1200mm<br>Portrait: N 150mm/P 300mm |
| Connector               | PV-GZX1500<br>NINGBO GXZ 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           | LP158*158-M-66-MH-370W |
| Power                 | 370W ±3%               |
| Open Circuit Voltage  | 45.40V ±5%             |
| Short Circuit Current | 10.22A ±5%             |
| Maximun Power Voltage | 38.05V                 |
| Maximum Power Current | 9.73A                  |
| Module Efficiency     | 20.0%                  |

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

### ELECTRICAL PARAMETERS AT NMOT

|                       |        |
|-----------------------|--------|
| Power                 | 279W   |
| Open Circuit Voltage  | 43.30V |
| Short Circuit Current | 8.27A  |
| Maximun Power Voltage | 35.90V |
| Maximum Power Current | 7.77A  |
| Module Efficiency     | 15.1%  |

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

### TEMPERATURE CHARACTERISTICS

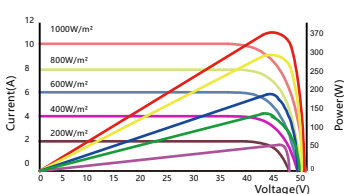
|                         |           |                          |           |
|-------------------------|-----------|--------------------------|-----------|
| NMOT                    | 41±3°C    | Temp Coefficient of ISC  | +0.05%/°C |
| Temp Coefficient of VOC | -0.28%/°C | Temp Coefficient of Pmax | -0.36%/°C |

### PACKING CONFIGURATION

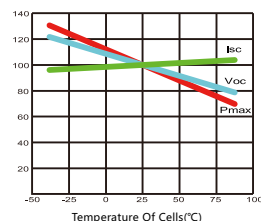
|                     |   |                      |            |
|---------------------|---|----------------------|------------|
| Modules/Pallet      | 31 Pieces                                 | Modules/40'Container | 828 Pieces |
| Packing Description | 24 Pallets, Total=(31+31+7)x12=828 Pieces |                      |            |

### CHARACTERISTICS

LP158\*158-M-66-MH-370W



LP158\*158-M-66-MH-370W



### MAXIMUM RATING

|                       |               |
|-----------------------|---------------|
| Output Tolerance      | ±3%           |
| Operating Temperature | -40°C~+85°C   |
| Wind Load/Snow Load   | 2400pa/5400pa |
| Fuse Current          | 15A           |

