

# PLM-300 M-72 SERIES

## Monocrystalline Silicon Solar Modules

High-efficiency photovoltaic module using silicon nitride coated monocrystalline silicon cells.



- Solar Cell: High efficiency crystalline solar cell. Even if under the weak light, the solar module can produce maximum power output.
- Tempered glass: Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- All frame: Without screw, corner connection. 8 holes on the frame can be installed easily.
- Junction box: Multi function junction box with water proof.
- Long lifetime: 25 years; Less power decrease.
- Good performance of preventing from atrocious weather such as wind and hail.
- Resisting moisture and etching effectively, not effect by geology.
- The certificate issued by international authority: ISO Quality Management system, CE, TUV.

### Mechanical Characteristics

Cells Size(mm)	156×156
Modules Size(mm)	1966×992×50
No. of cells	72(6×12)
Weight (KG)	27
No. of Mounting Holes	8
No. of Waterpout	16

### Temperature Coefficient

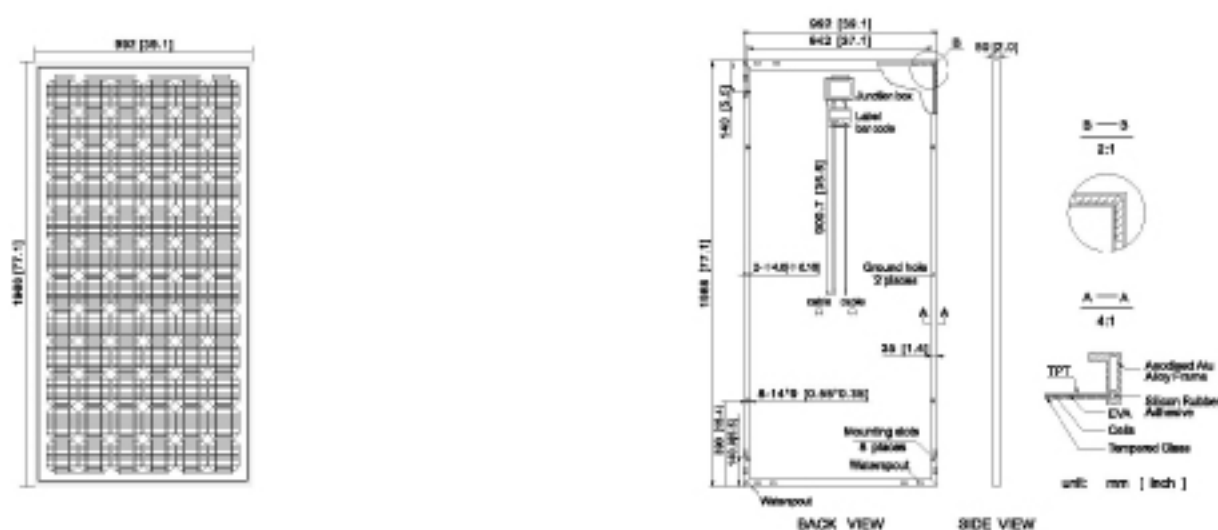
NOCT	47°C ±2°C
Temperature coefficient of Isc	0.03%/°C
Temperature coefficient of Voc	-0.333%/°C
Temperature coefficient of Pmax	-0.459%/°C
Power Tolerance	±3%

### Package Information

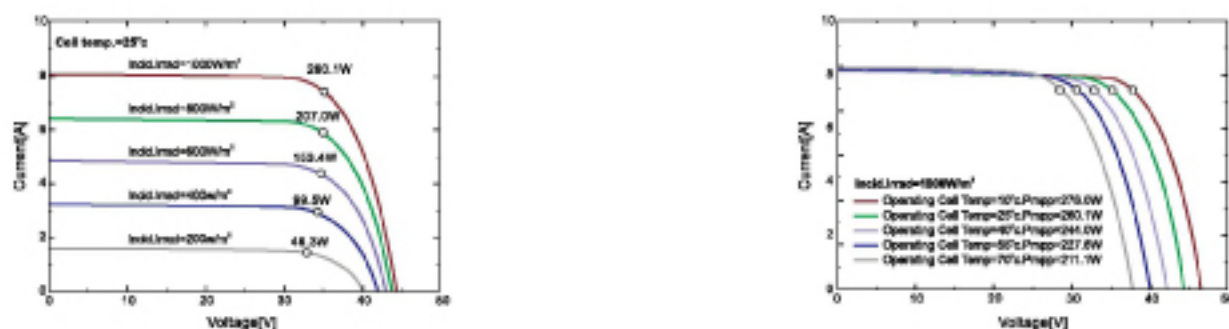
	Type	Frame	Pcs/Pallet	Pallets/Container	Pcs/Container
40HQ	1966X992 156M 72cells	50	21	22	506

P15/P16 **Notes:** This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information may be found on our website [www.perlight.com](http://www.perlight.com)

### Module Diagram



### Electrical Curves



### Electric Characteristic

Model	PLM-280M-72	PLM-285M-72	PLM-270M-72	PLM-275M-72	PLM-280M-72	PLM-285M-72	PLM-290M-72	PLM-295M-72	PLM-300M-72
Pm	280	285	270	275	280	285	290	295	300
Vmp	34.8	35.2	35.4	35.7	35.9	36.4	36.9	37.2	37.6
Imp	7.48	7.53	7.60	7.7	7.73	7.83	7.86	7.93	7.96
Voc	43.7	43.8	43.9	44.0	44.2	44.4	44.8	45.0	45.3
Isc	8.18	8.23	8.26	8.29	8.32	8.38	8.42	8.48	8.52
Maximum system voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC

STC: Irradiance 1000W/m<sup>2</sup>, Temperature 25°C, AM=1.5

