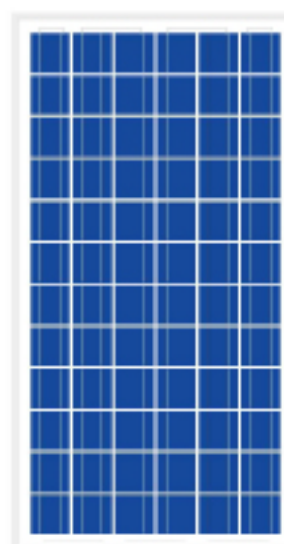


PLM-280P-72 SERIES

Polycrystalline Silicon Solar Modules

High-efficiency photovoltaic module using silicon nitride coated polycrystalline 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 Waterspout	16

Temperature Coefficient

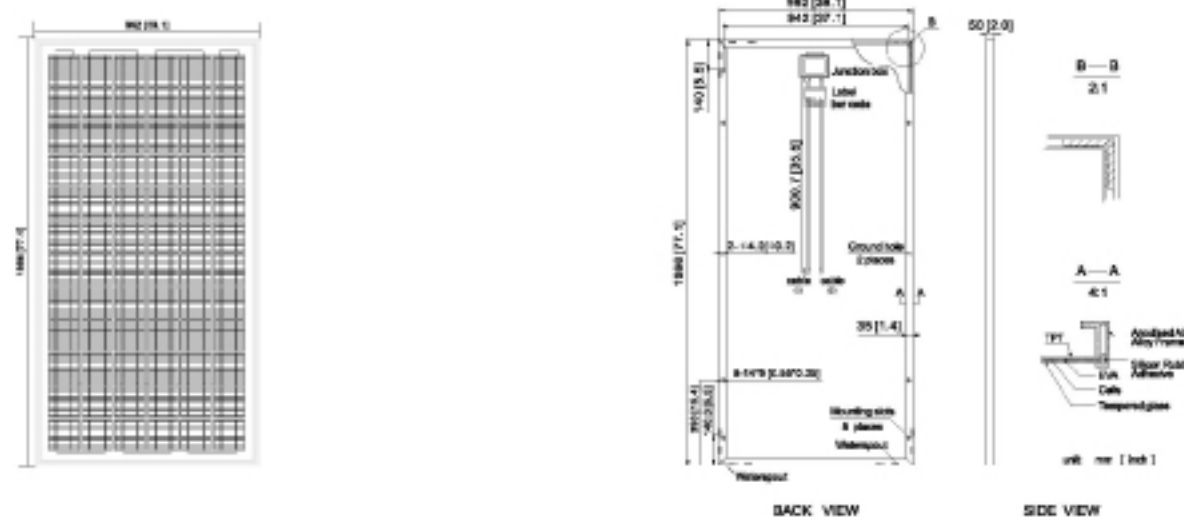
NOCT	47°C ±2°C
Temperature coefficient of Isc	+0.05%/°C
Temperature coefficient of Voc	-0.35%/°C
Temperature coefficient of Pmax	-0.45%/°C
Power Tolerance	±3%

Package Information

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

P27/P28 Note: 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

Module Diagram



Electrical Curves



Electric Characteristics

Model	PLM-250P-72	PLM-255P-72	PLM-260P-72	PLM-265P-72	PLM-270P-72	PLM-275P-72	PLM-280P-72	PLM-285P-72
Pm	250	255	260	265	270	275	280	285
Vmp	35.3	35.5	35.8	36	36.4	36.6	36.7	36.8
Imp	7.06	7.18	7.27	7.36	7.43	7.51	7.63	7.8
Voc	43.2	43.5	43.8	43.9	44.0	44.2	44.4	44.4
Isc	7.58	7.69	7.79	7.8	7.95	8.1	8.14	8.2
Maximum system voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC

STC: Irradiance 1000W/m², Temperature 25°C, AM=1.5

