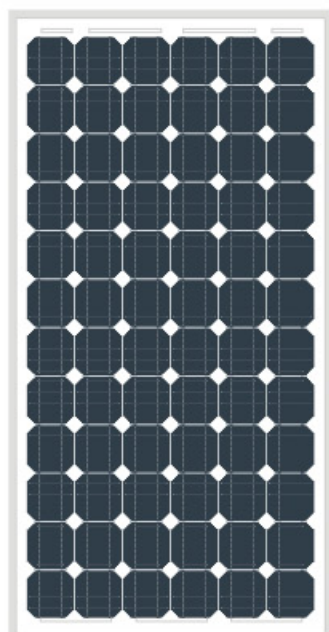


High-efficiency photovoltaic module using silicon nitride coated monocrystalline silicon cells.

- 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.
- Allframe: Without screw, corner connection. 8 holes on the frame can be installed easily.
- Junction box: Multifunction junction box with water proof.
- Long lifetime: 25 years; Less power decrease.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not effect by geology.
- The certificate issued by international authority: ISO Quality Management system, CE, TUV, VDE(IEC61215 and IEC61730)



Mechanical Characteristics

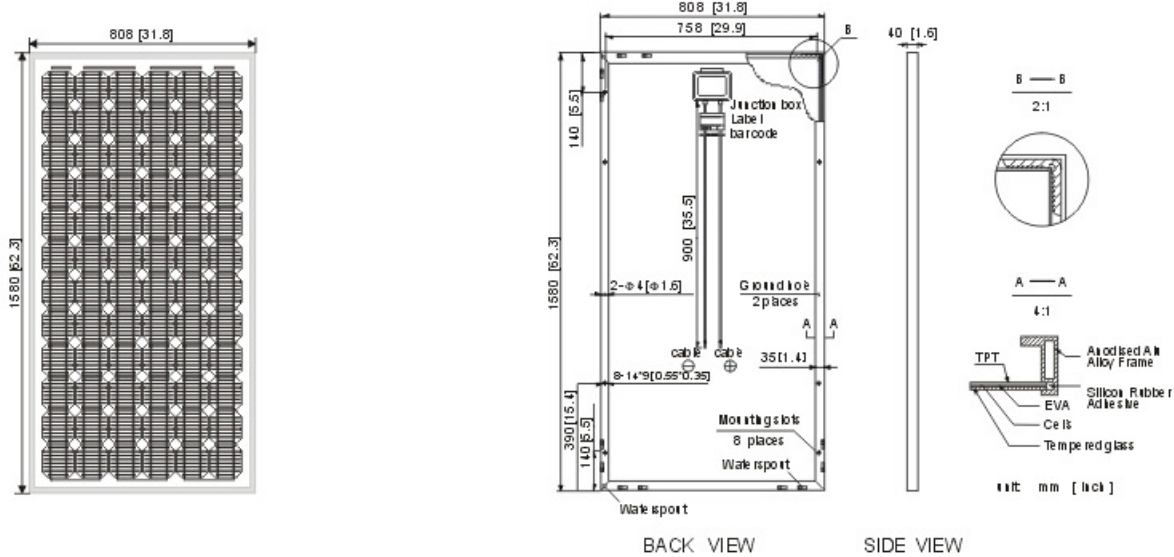
Cells Size(mm)	125×125
Modules Size(mm)	1580×808×40
No. of cells	72(6×12)
Weight (KG)	16
No. of Mounting Holes	8
No. of Waterspout	16

Temperature Coefficient

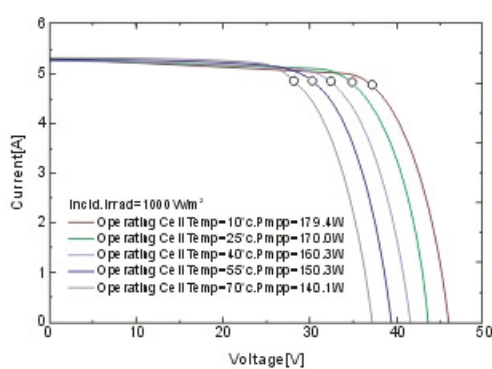
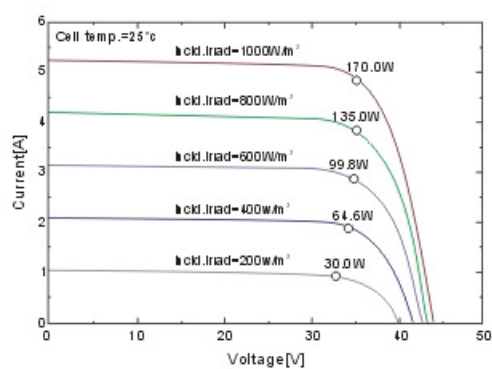
NOCT	47°C ±2°C
Temperature coefficient of Isc	0.03%/°C
Temperature coefficient of Voc	-0.333%/°C
Temperature coefficient of Pmax	-0.459%/°C
Power Tolerance	±3%

Note: This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information may be found on our web site: www.perlightsolar.com.cn

Module Diagram



Electrical Curves



Electric Characteristics

Model	PLM-145/24	PLM-150/24	PLM-155/24	PLM-160/24	PLM-165/24	PLM-170/24	PLM-175/24	PLM-180/24	PLM-185/24	PLM-190/24	PLM-195/24	PLM-200/24
Pm	145	150	155	160	165	170	175	180	185	190	195	200
Vmp	33.8	34.3	34.5	35.0	35.7	36.0	36.4	36.8	36.8	37.3	37.6	37.9
Imp	4.29	4.37	4.49	4.58	4.62	4.72	4.81	4.89	5.03	5.09	5.19	5.28
Voc	43.2	43.3	43.5	43.8	43.9	44.1	44.2	44.6	44.6	44.7	44.8	44.8
Isc	4.90	4.97	5.03	5.07	5.14	5.17	5.22	5.30	5.46	5.38	5.49	5.59
Maximum system voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC

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