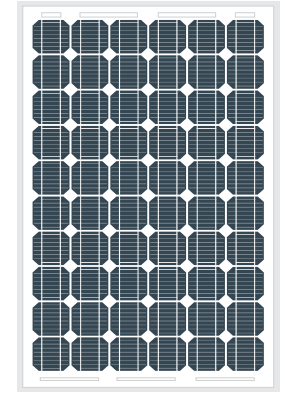


PERLIGHTSOLAR

# PLM-250M-60 SERIES PLM-250MB-60 SERIES

Monocrystalline Silicon Solar Modules

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



## Specification:

- 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 hails.
- Resisting moisture and etching effectively, not effect by geology.
- The certificate issued by international authority: ISO Quality Management system, CE, TÜV, VDE, UL (IEC 61215 and IEC61730)

## Mechanical Characteristics

Cells Size(mm)	156×156
No.of cells	60(6×10)
Modules Size(mm)	1650×992
Frame Thickness(mm)	35 / 40 / 46
Weight(KG)	18.2 / 18.5 / 19.6
No.of Mounting Holes	8
No.of Waterspout	16

## Temperature Coefficient

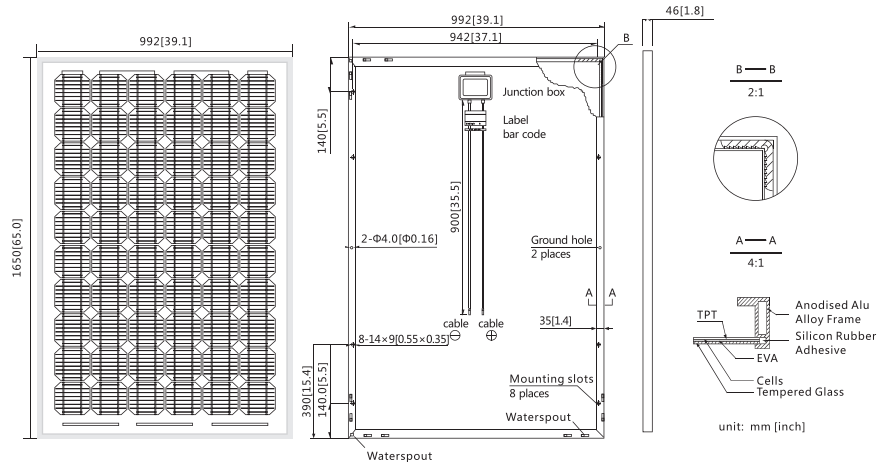
Noct	45°C±2°C
Temperature coefficient of Isc	0.06%/°C
Temperature coefficient of Voc	-0.34%/°C
Temperature coefficient of Pmax	-0.45%/°C
Power Tolerance	0 / + 3%
Working temperature	-40°C to 85°C

# PLM-250M-60 SERIES PLM-250MB-60 SERIES

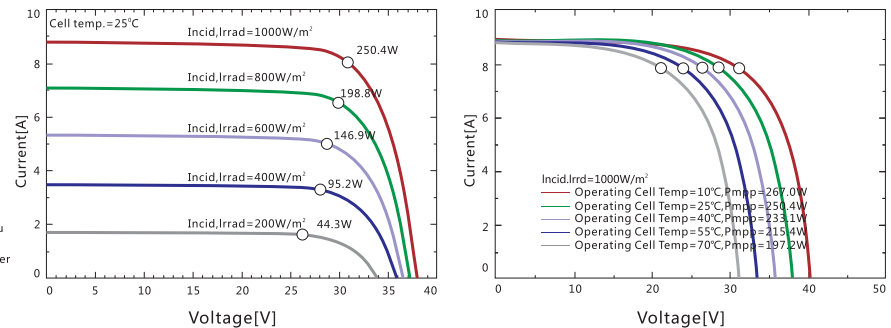
Monocrystalline Silicon Solar Modules



## Module Diagram:



## Electrical Curves:



## Electrical Characteristics: Power range: 220w-270w

Module	PLM-230M-60 PLM-230MB-60	PLM-235M-60 PLM-235MB-60	PLM-240M-60 PLM-240MB-60	PLM-245M-60 PLM-245MB-60	PLM-250M-60 PLM-250MB-60	PLM-255M-60 PLM-255MB-60	PLM-260M-60 PLM-260MB-60	PLM-265M-60 PLM-265MB-60	PLM-270M-60 PLM-270MB-60
P <sub>m</sub>	230	235	240	245	250	255	260	265	270
V <sub>mp</sub>	28.94	29.38	29.86	30.21	30.50	30.92	31.18	31.48	31.73
I <sub>mp</sub>	7.95	8.00	8.04	8.11	8.20	8.25	8.34	8.42	8.51
V <sub>oc</sub>	37.64	37.70	37.77	37.86	38.00	38.10	38.20	38.31	38.42
I <sub>sc</sub>	8.52	8.59	8.64	8.70	8.78	8.84	8.92	8.96	8.99
Maximum system voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC

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

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