

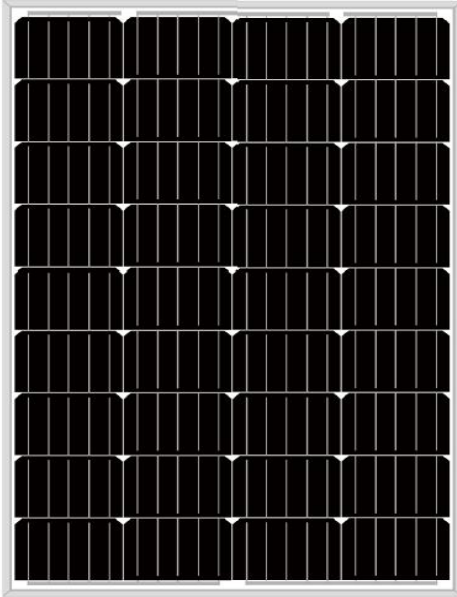
PWSOLAR

80W

MONOCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 17.06% by using innovative Half-cell design and Multi-busbar(MBB) cell technology.
- ◆ Low temperature coefficient and excellent performance under high temperature and low light conditions.
- ◆ Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- ◆ High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- ◆ Potential induced degradation (PID) resistance.
- ◆ Positive power tolerance of 0 ~ +5w.



ELECTRICAL CHARACTERISTICS AT STC

| | |
|---------------------------------------|--|
| Model | PW80Wp-36M |
| Maximum Power (P_{max}) | 800W |
| Power Tolerance | 0 ~ + 5W |
| Open Circuit Voltage (VOC) | 22.30V |
| Short Circuit Current (ISC) | 5.21A |
| Voltage at Nominal Power (V_{mp}) | 18.00V |
| Current at Nominal Power (I_{mp}) | 4.45A |
| Size of Module | 700 x 670 x 30mm |
| Standard Test condition | Irradiance:1000W/M2 Temp: 25°C , & AM :1.5G spectrum |
| Maximum system voltage | 1000V DC |
| Operating temperature | - 40°C to +85°C |
| Module Efficiency | 17.06% |

ELECTRICAL CHARACTERISTICS AT STC

| | |
|--|------------|
| NOCT | 45 +/- 2°C |
| Voltage temperature coefficient(V_{oc}) | -0.33%/°C |
| Current temperature coefficient (I_{sc}) | +0.058%/°C |
| Power temperature coefficient(P_{mpp}) | -0.400%/°C |
| Minimum power tolerance | +/-10% |
| NOCT | 45 +/- 2°C |



MECHANICAL CHARACTERISTICS

| | |
|----------------|---|
| Cell Type | Monocrystalline |
| Number of cell | 36pcs (4 x 9) |
| Size of Module | 700 x 670 x 30mm |
| Weight | About 6.50kgs |
| Front Cover | 3.2mm tempered glass with AR coating |
| Frame | Anodized aluminum alloy |
| Junction Box | IP67, 3 diodes |
| Cable | 4mm ² (0.006inches ²), 900mm (11.81inches) |
| Connector | MC4 or MC4 compatible |

MODULE WARRANTY

25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship.

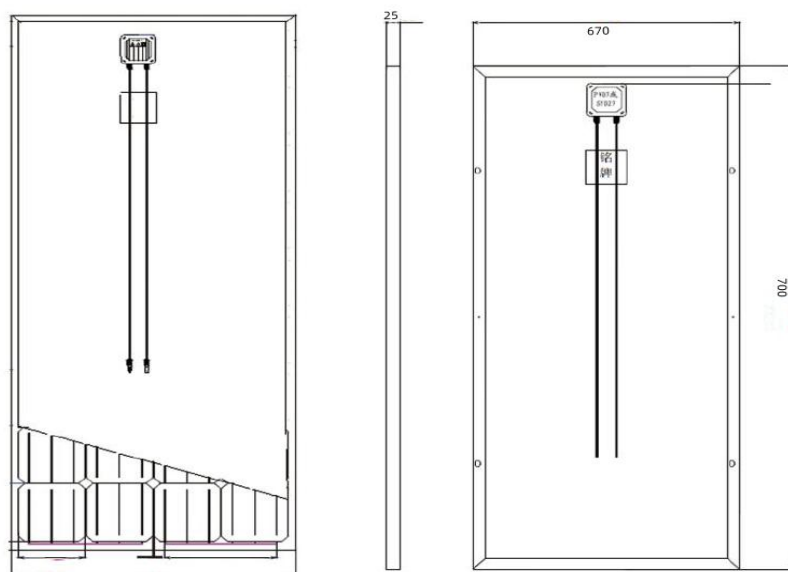
PACKING

Standarding Packing: 120pcs/Pallet

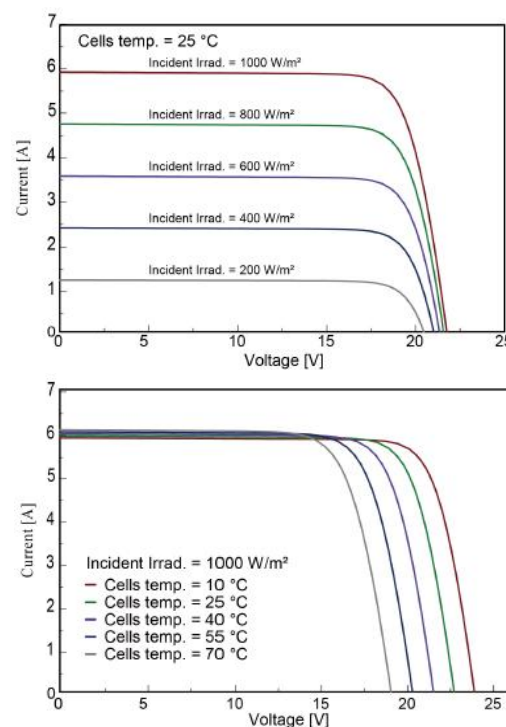
Module Quantity of 20' container: 1200pcs

Module Quantity of 40' container: 2700pcs

ENGINEERING DRAWING



IV CURVES



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Specifications in this datasheet are subject to change without prior notice