

TECHNICAL DATA SHEET

PS240M、PS250M



Technical Data

| | |
|------------------------------|----------------------------------|
| Type | PS240M、PS250M |
| Type of Solar Cell | Mono-crystalline, 125mm×125mm |
| Number of Cells | 96 pcs |
| Size of module | 1580×1064×50mm (125×125mm cell) |
| Module, Weight | 20 kg |
| Connector / Cross-Section | Cixi Renhe |
| Cables, Length (+/-) | 900 mm |
| Front Cover Glass | Safety Glass |
| Front Cover Glass, Thickness | 3.2 mm |
| Frame | Anodized Aluminium |

Electrical Data

| | | | |
|------------------------|----------------|---------|---------|
| Maximum Power | $P_{MPP\ STC}$ | 240 W | 250 W |
| Power Tolerance | Δ_{STC} | ± 2% | ± 2% |
| Maximum Power Voltage | $U_{MPP\ STC}$ | 48.0 V | 48.0 V |
| Maximum Power Current | $I_{MPP\ STC}$ | 5.00 A | 5.21 A |
| Open Circuit Voltage | $U_{OC\ STC}$ | 59.8 V | 59.8 V |
| Short Circuit Current | $I_{SC\ STC}$ | 5.28 A | 5.50 A |
| Cell Efficiency | η_{STC} | 16.83 % | 17.53 % |
| Maximum System Voltage | U_{DC} | 1000V | 1000V |

STC: Irradiance 1000 W/m²; Spectrum AM 1,5; Cell Temperature 25°C, Wind 0 m/s

Temperature Coefficients

| | | |
|---------------------|----------------------|-------------------|
| Power Coefficient | $\alpha_k (P_{MPP})$ | - 0.45 %/K |
| Voltage Coefficient | $\beta_k (U_{OC})$ | - 0.35 %/K |
| Current Coefficient | $\varphi_k (I_{SC})$ | 0.065 ± 0.015 %/K |

Power Warranty

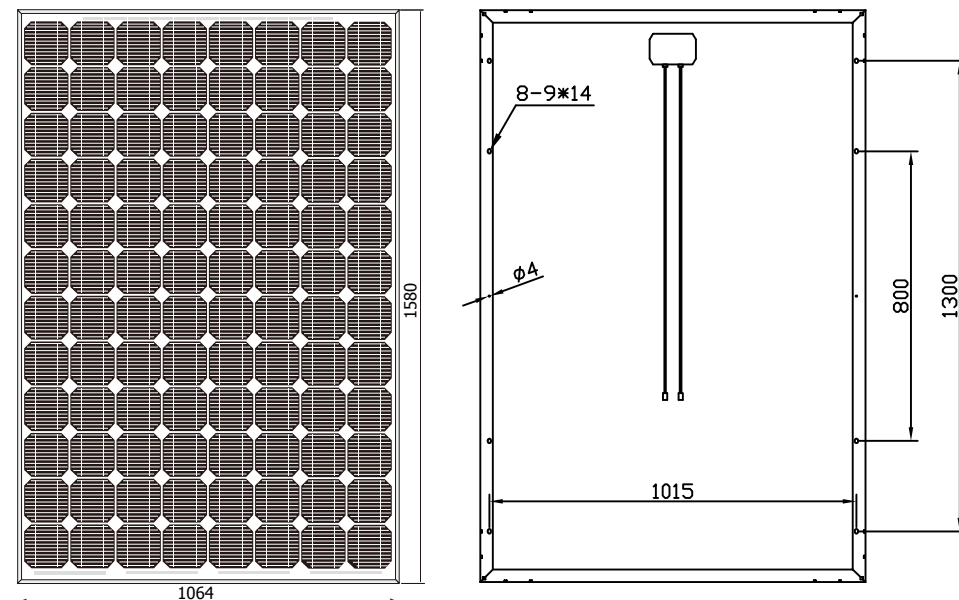
10 years performance warranty to 90 %

25 years performance warranty to 80 %

5 years warranty against production and material defects

Certifications

IEC 61215, IEC 61730 ,TUV, CE, ISO9001:2000



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