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**Solar Panel Guide**

**Specification Data Sheet**

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MECHANICAL DATA 机械性能参数

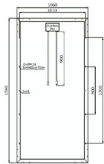
|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Solar Cell 太阳能电池片  | 125mm Mono-crystalline 单晶125*125 (mm)                                              |
| Front Glass 玻璃     | 3.2mm tempered glass 3.2mm钢化玻璃                                                     |
| Junction Box 接线盒   | IP65 or IP67 rated                                                                 |
| Output Cables 输出电缆 | 4mm <sup>2</sup> cable/compliable with MC4 connectors 4mm <sup>2</sup> 的电缆线/MC4连接头 |
| Cable Length 线缆长度  | 900 (mm)                                                                           |
| Frame 边框           | Anodized aluminum铝合金                                                               |
| Weight 重量          | 20Kg                                                                               |
| Dimension 组件尺寸     | 1580*1060*50 (mm)                                                                  |



ELECTRICAL DATA 电性能参数

|                                  |           |        |        |        |        |
|----------------------------------|-----------|--------|--------|--------|--------|
| Rated power at STC(Wp)额定功率       | 255W      | 260W   | 265W   | 270W   | 275W   |
| Max. working voltage(Vmp) 最大工作电压 | 47.50V    | 47.65V | 47.80V | 47.95V | 48.10V |
| Max. working current(Imp) 最大工作电流 | 5.37A     | 5.46A  | 5.55A  | 5.64A  | 5.73A  |
| Open circuit voltage(Voc) 开路电压   | 59.00V    | 59.20V | 59.40V | 59.60V | 59.80V |
| Short circuit current(Isc) 短路电流  | 5.74A     | 5.80A  | 5.86A  | 5.92A  | 5.98A  |
| Module efficiency 组件转换效率         | 15.23%    | 15.52% | 15.82% | 16.12% | 16.42% |
| Operating Temperature 工作温度范围     | -40℃~+85℃ |        |        |        |        |
| Maximum System Voltage 最大系统电压    | 1000V DC  |        |        |        |        |
| Max series fuse 最大熔断电流           | 15A       |        |        |        |        |
| Power tolerance 功率公差范围           | 0~+5w     |        |        |        |        |

All data are tested at STC:1000W/m<sup>2</sup>,module temperature 25℃,AM=1.5



TEMPERATURE COEFFICIENTS 温度补偿系数

|                                               |          |
|-----------------------------------------------|----------|
| NOCT 电池额定工作温度                                 | 45±2℃    |
| Voltage temperature coefficient(Voc) 电压温度补偿系数 | -0.34%/℃ |
| Current temperature coefficient(Isc) 电流温度补偿系数 | +0.06%/℃ |
| Power temperature coefficient(Pm) 功率温度补偿系数    | -0.43%/℃ |