

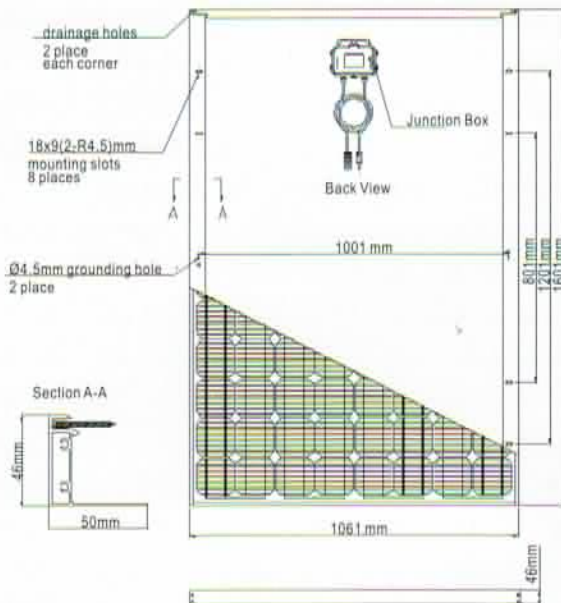
# Monocrystalline Solar Module

## 125X125mm 8x12 Cells

### Electrical Characteristics

TUV-Model	UL-235D-96	UL-240D-96	UL-245D-96	UL-250D-96	UL-255D-96	UL-260D-96
UL-Model	UL-235D-96	UL-240D-96	UL-245D-96	UL-250D-96	UL-255D-96	UL-260D-96
Max Power Pm(W)	235	240	245	250	255	260
Max Power Voltage Vm(V)	47.3	47.6	47.7	47.8	47.9	48.0
Max Power Current Im(A)	4.97	5.04	5.14	5.23	5.33	5.42
Open-Circuit Voltage Voc(V)	59.1	59.3	59.6	59.9	60.0	60.1
Short-Circuit Current Isc(A)	5.42	5.52	5.62	5.73	5.82	5.89
Cell Efficiency	16.5%	16.8%	17.2%	16.8%	17.2%	17.5%
Module Efficiency	13.8%	14.1%	14.4%	14.7%	15.0%	15.3%
Power Tolerance	±3%					
Maximum System Voltage(V)	1000(TUV)/600(UL)					
Temperature Coefficient of Isc	0.065%/°C					
Temperature Coefficient of Voc	-0.35%/°C					
Temperature Coefficient of Pmax	-0.40%/°C					
Operating Temperature	-40°C~+85°C					
NOCT	47±2°C					
Series Fuse Rating(A)	10					

STC: irradiance: 1000W/mm<sup>2</sup>; solar spectrum: AM1.5; cell temperature: 25°C



### Mechanical Characteristics

Module Dimension (mm)	1601x1061x46
Cell Dimension (mm)	125x125
Array (PCS)	8x12
Weight(Kg)	21

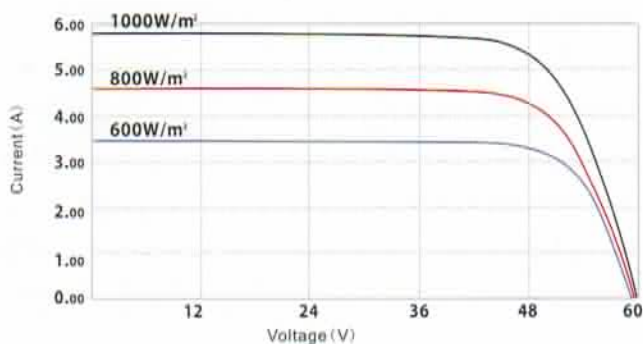
### GUARANTEE

- 5-year product guarantee
- 10-year performance guarantee at 90% power output
- 25-year performance guarantee at 80% power output

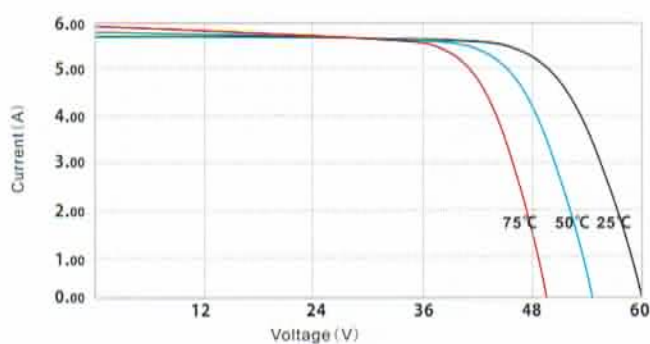
### NOTE

- Nominal Operating Cell Temperature above data is only for reference
- Deviation of Vm(V), Im(A), Voc(V) and Isc(A) of ±10%

### I-V Curves of UL-250D-96



I-V Curves at different irradiance



I-V Curves at different temperature