

Monocrystalline Solar Module 125X125mm 8x12 Cells



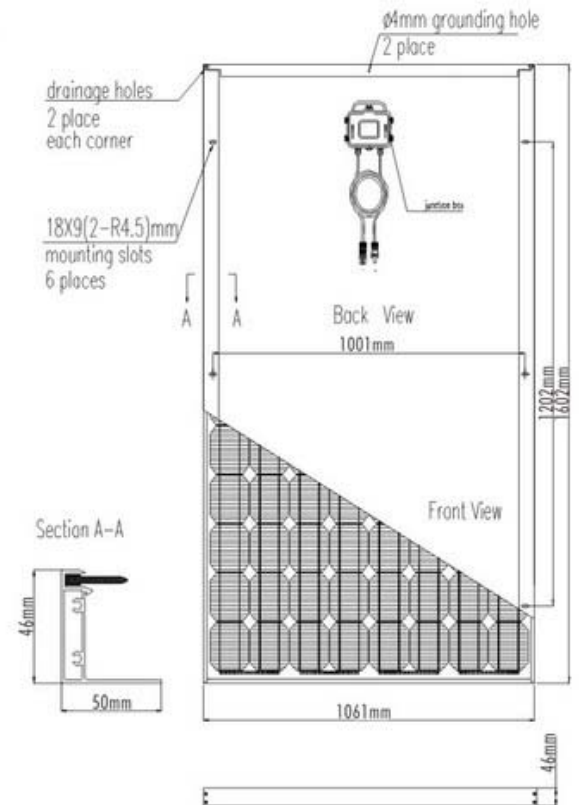
Electrical Characteristics

TUV-Model	UL-235D-96	UL-240D-96	UL-245D-96	UL-250D-96	UL-255D-96	UL-260D-96
UL-Model	UL-235D	UL-240D	UL-245D	UL-250D	UL-255D	UL-260D
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/mm²; solar spectrum: AM1.5; cell temperature: 25°C

Mechanical Characteristics

Module Dimension (mm)	1602x1061x46
Cell Dimension (mm)	125x125
Array (PCS)	8x12
Weight(Kg)	21



Clean Energy Council

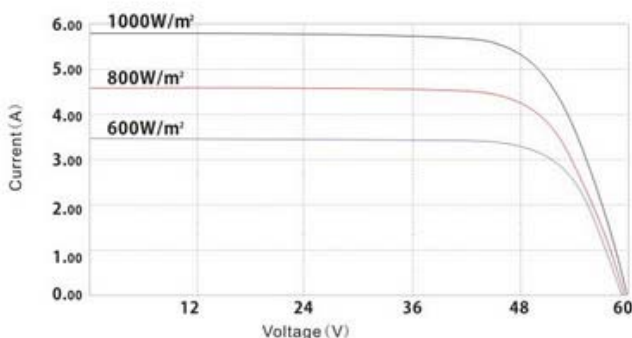
GUARANTEE

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

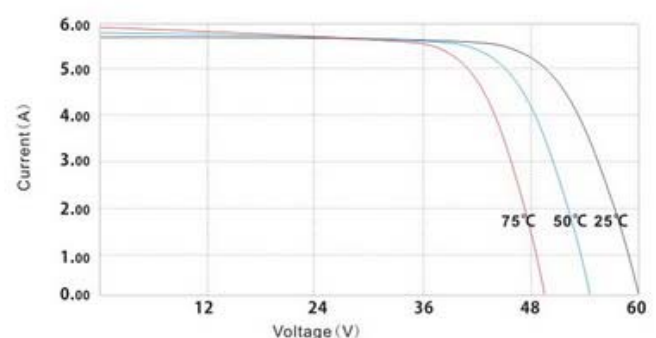
NOTE

- 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/UL-250D-96



I-V Curves at different irradiance



I-V Curves at different temperature