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Solar Panel Guide Specification Data Sheet

Shenzhen Shine Solar Co., Ltd.

SN-M240-255

SN-M255

Also available on the web at
EnergyPal.com/shenzhen-shine-solar-co-ltd-solar-panels/sn-m255



Datasheet

240Wp — 255Wp



Monocrystalline solar PV module

Model Number	SN-M240	SN-M245	SN-M250	SN-M255
Maximum Power (pmax)	240Wp	245Wp	250Wp	255Wp
Optimum Operating Voltage/Vmp	30V	30V	30.2V	30.3V
Optimum Operating Current/Imp	8A	8.17A	8.28A	8.42A
Open Circuit Voltage /Voc	36V	36V	36V	36V
Short Circuit Current /Isc	8.6A	8.77A	8.98A	9.12A
Module Efficiency	14.7%	15%	15.3%	15.6%
Power Tolerance (%)				±3
Maximum Series Fuse Rating				15A
Maximum system voltage				1000 V DC

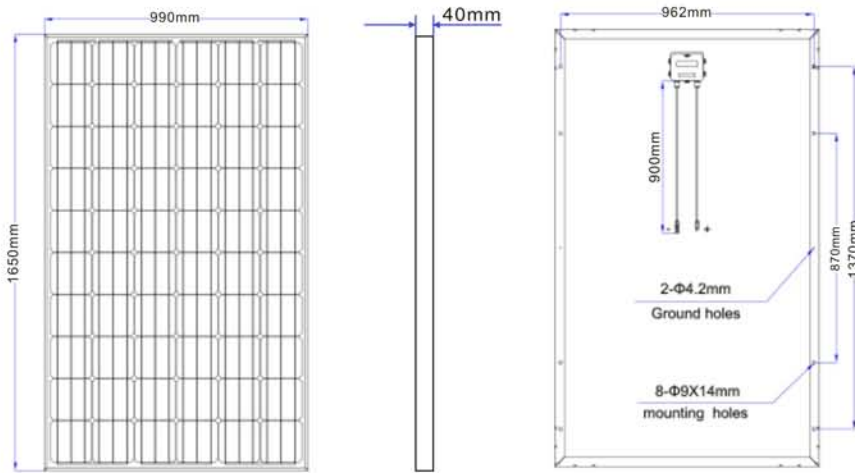
Maximum Data

Operating Temperature	-40°C~+80°C	°C
Storage temperature	from -40°C ~+80°C	°C
Instulation cut voltage	1000	DC
Maximum wind resistance	60m/s	N/m ² or max Km/h
Surface maximum load capacity	200	Kg/m ²
Maximum hail load capacity	25mm	80km/h

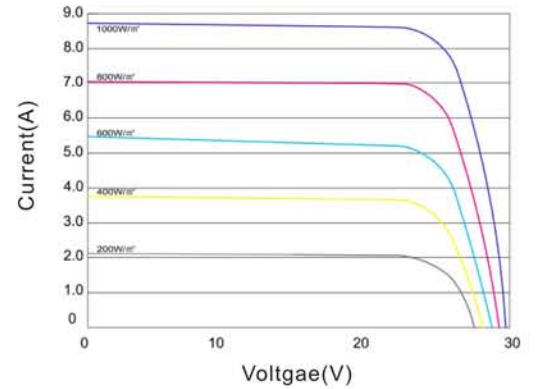
EFFICIENCY

-  Low voltage-temperature coefficient allows higher power output at high-temperature condition
-  High efficient, high reliable solar cells ensure our product output stability

Physical Characteristics



I-V Curve



Laminating Data

Cell dimension (mm)	156 x 156
Dimensions (mm)	1650x990x40
Number of cells	60(6*10)
Weight	19Kg
Frame Material	Clear anodized aluminium frame
Thickness of glass	3.2 mm tempered glass
Frame	Anodized aluminum alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	Ip65

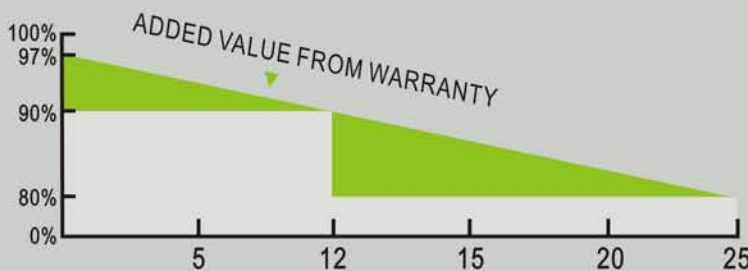
STC

AM condition	AM1.5
Intensity of illumination	1000W/m²
temperature	25°C

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.45%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.050%/°C

Superior Warranty



- 10** 10-years Manufacturing warranty.
- 12** 12-years warranty 90% power output.
- 25** 25-years warranty 80% power output.