

235-245 WATT

MONOCRYSTALLINE SOLAR PANELS

SSM60C Series 235/240/245W

Senersun introduces a new line of high performance crystalline solar panels for various applications ranging from 235 to 245 watts.

KEY FEATURES

- Our Solar cells offer high conversion efficiency to guarantee the highest output and reliability
- Our High performance modules have an industry low tolerance of $\pm 3\%$
- Can withstand high wind-pressure, snow load and extreme temperatures
- STS Certified: Independent flash, EL and technical tests performed with AAA equipment on 100% of modules

QUALITY & SAFETY

- Power output warranty:
10 years: 90%, 25 years: 80%
- 10-year warranty on product materials and processing technology, covering the full ROI period
- ISO 9001:2008 (Quality Management System) certified factory
- IEC 61215, IEC 61730 certified products
- TÜV and CE conformity

APPLICATIONS

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power plants
- Off-grid systems
- Other on-grid applications



SPECIFICATIONS

Model Type	SSM60-235-A	SSM60-240-A	SSM60-245-A
Maximum Power (Pmax)	235Wp	240Wp	245Wp
Power Density (Wp/m ²)	144.7	147.8	150.9
Maximum Power Voltage (Vmp)	30.4V	30.7V	30.9V
Maximum Power Current (Imp)	7.73A	7.82A	7.93A
Open-Circuit Voltage (Voc)	37.52V	37.89V	38.13V
Short-Circuit Current (Isc)	8.51A	8.61A	8.73A
Cell Efficiency (%)	16.31%	16.66%	17.00%
Module Efficiency (%)	14.47%	14.78%	15.09%
No. of Diodes	6		
Maximum System Voltage	1000V		
Maximum Series Fuse Rating	15A		
Power Tolerance	±3%		
Temperature Coefficients of Pmax	-0.5%/°C		
Temperature Coefficients of Voc	-0.35%/°C		
Temperature Coefficients of Isc	+0.04%/°C		
Nominal Operating Cell Temperature (NOCT)	48±2°C		

The electrical specifications shown above are stabilized values measured at Standard Test Conditions 1,000W/m² irradiance, AM1.5 spectrum at 25°C, while Voc or Isc can be customized
The rated power may vary by ±3% and all other electrical parameters by ±5%

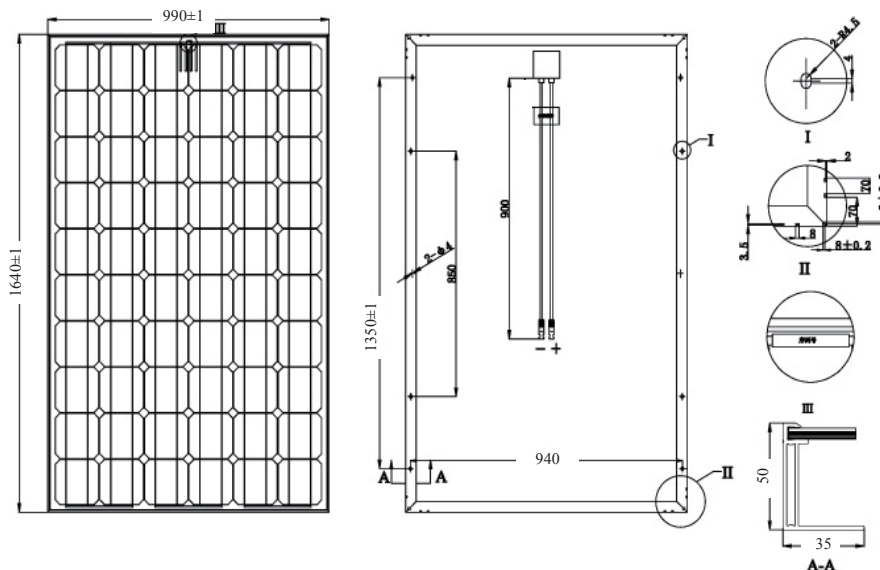
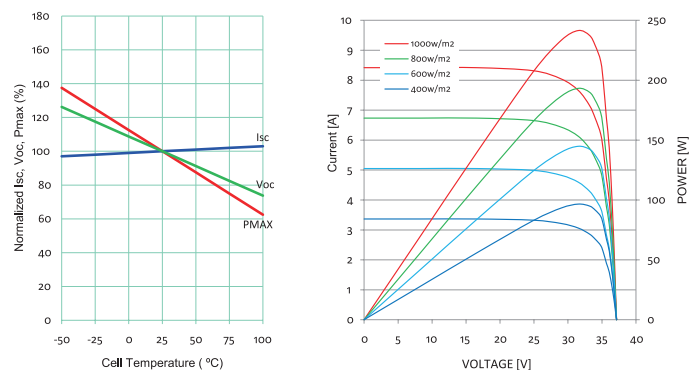
MECHANICAL CHARACTERISTICS

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of Cells	60 (6×10)
Dimensions	1640×990×50mm
Weight	20kg (44lbs)
Front Glass	3.2mm High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 4.0mm ² Single Core Length 900mm
Connectors	MC4 Compatible
Back Sheet	TPT

PACKAGING CONFIGURATION

Pallet Load	20pcs / pallet
Container Load	520pcs / 40'HQ, 204pcs / 20'

I-V CURVES & TEMPERATURE DEPENDENCE OF ISC, VOC, PMAx



Unit: mm