

185-195 WATT

MONOCRYSTALLINE SOLAR PANELS

SSM72A Series 185/190/195W

Senersun introduces a new line of high performance crystalline solar panels for various applications ranging from 185 to 195 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	SSM72-185-A	SSM72-190-A	SSM72-195-A
Maximum Power (Pmax)	185Wp	190Wp	195Wp
Power Density (Wp/m ²)	144.9	148.8	152.7
Maximum Power Voltage (Vmp)	36.2V	36.5V	36.6V
Maximum Power Current (Imp)	5.14A	5.21A	5.33A
Open-Circuit Voltage (Voc)	44.67V	45.05V	45.92V
Short-Circuit Current (Isc)	5.66A	5.74A	5.78A
Cell Efficiency (%)	17.29%	17.76%	18.23%
Module Efficiency (%)	14.5%	14.9%	15.27%
No. of Diodes	3		
Maximum System Voltage	1000V		
Maximum Series Fuse Rating	10A		
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		

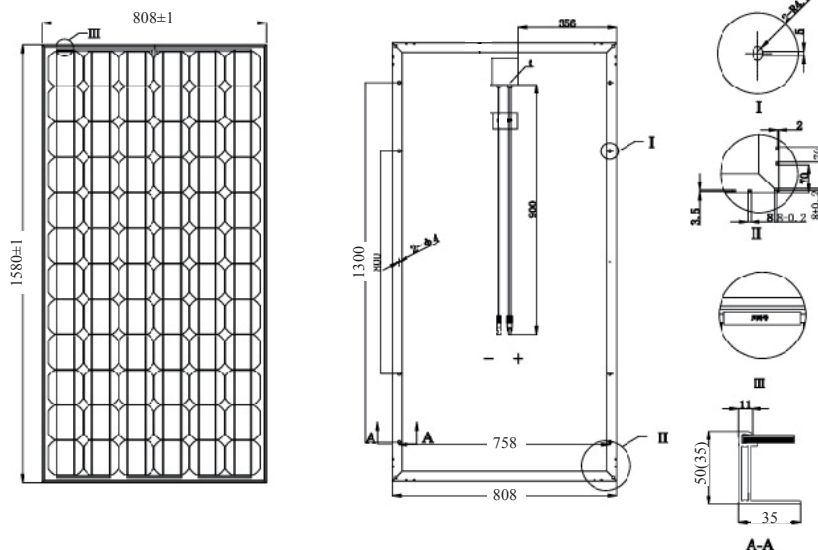
The electrical specifications shown above are stabilized values measured at Standard Test Conditions
1,000W/m² irradiance, AM1.5 spectrum at 25°C, while Voc or Isc can be customized
The rated power may vary by ±3% and all other electrical parameters by ±5%

MECHANICAL CHARACTERISTICS

Cell Type	Mono-crystalline 125×125mm (5 inch)
No. of Cells	72 (6×12)
Dimensions	1580×808×50mm / (1580×808×35)
Weight	16 Kg / (14 Kg)
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	560pcs / 40', 240pcs / 20'



Unit: mm

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

