sunceco

SEP 260W/265W/270W/275W

260 W – 275 W Poly-crystalline Solar Module

- High reliability of power output
- PV glass design improves oblique irradiance performance and enhances module yield in low-light and medium-angle-light condition
- Junction box and by-pass diodes guarantee the modules free of overheating and “hot spot effect”
- Strong anodized aluminum alloy frame
- Certified by TÜV to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- Easy installation and minimal maintenance with compatibility to industry standard inverters and mounting systems
- Special PV Module Insurances by world leading insurance company guarantees the benefit to PV investors and PV module users

Certificates

IEC ISO TÜVNORD

Intertek CE Safety Class II

Warranty

10 Years: Manufacturing Warranty

12 Years Warranty: 90% Power Output

25 Years Warranty: 80% Power Output

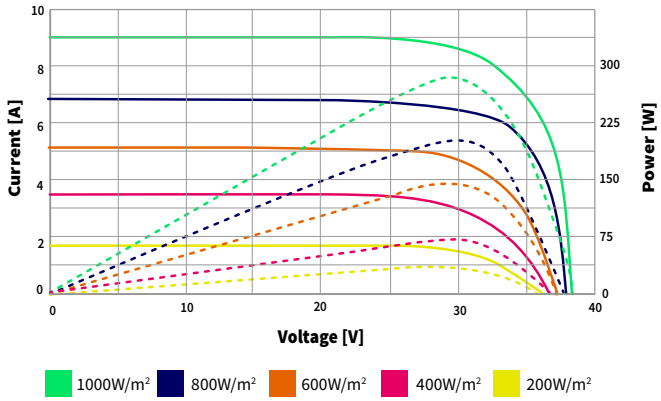
Mechanical Characteristics

Cell type	Poly-crystalline
Cell Dimensions	156.75 × 156.75 mm
Cell Arrangement	60 (6 × 10)
Weight	18.5 kg
Module Dimensions	1650 × 992 × 35 mm (also available: 1650 × 992 × 30 mm)
Glass	3.2 mm, high transmission, tempered
Connector	MC4 compatible
Cable Length	900 mm
Cable Cross-section Size	4 mm^2
No. of Bypass Diodes	3/6

Electrical Characteristics

SOLAR CELLS	POLY-CRYSTALLINE 156.75 × 156.75MM 60 PCS. (6×10) – 5 BUS BARS			
Model	**SEP 260**	**SEP 265**	**SEP 270**	**SEP 275**
Performance at Standard Test Conditions (STC): 1000 W/m², 25°C, AM 1.5, positive power tolerance 0/+3 %				
Maximum Power (Pmax)	260 Wp	265 Wp	270 Wp	275 Wp
Operating Voltage (Vmpp)	30.6 V	31.0 V	31.3 V	31.7 V
Operating Current (Impp)	8.50 A	8.56 A	8.63 A	8.69 A
Open-Circuit Voltage (Voc)	37.9 V	38.2 V	38.5 V	38.7 V
Short-Circuit Current (Isc)	8.97 A	9.04 A	9.09 A	9.17 A
Module Efficiency	15.9 %	16.2 %	16.5 %	16.8 %
Performance at Nominal Operating Cell Temperature (NOCT) : 800 W/m², 20°C, AM 1.5, wind speed 1m/s				
Maximum Power (Pmax)	192 Wp	196 Wp	199 Wp	203 Wp
Operating Voltage (Vmpp)	28.3 V	28.7 V	28.9 V	29.2 V
Operating Current (Impp)	6.78 A	6.83 A	6.90 A	6.97 A
Open-Circuit Voltage (Voc)	35.0 V	35.2 V	35.5 V	35.7 V
Short-Circuit Current (Isc)	7.26 A	7.32 A	7.36 A	7.42 A
Temperature Coefficient				
Temperature Coefficient at Pmax	– 0.40 % / °C			
Temperature Coefficient at Voc	– 0.31 % / °C			
Temperature Coefficient at Isc	+ 0.06 % / °C			
Nominal Operating Cell Temperature	45 ± 2 °C			
Operating conditions				
Maximum System Voltage	DC1000 V (IEC)			
Operating Temperature	-40 °C to 85 °C			
Maximum Series Fuse	15 A			
Static Loading	5400 Pa			
Conductivity at Ground	≤ 0.1 Ω			
Resistance	≥ 100 MΩ			
Safety Class	II			

I-V Curves at different irradiance



I-V Curves at different temperature