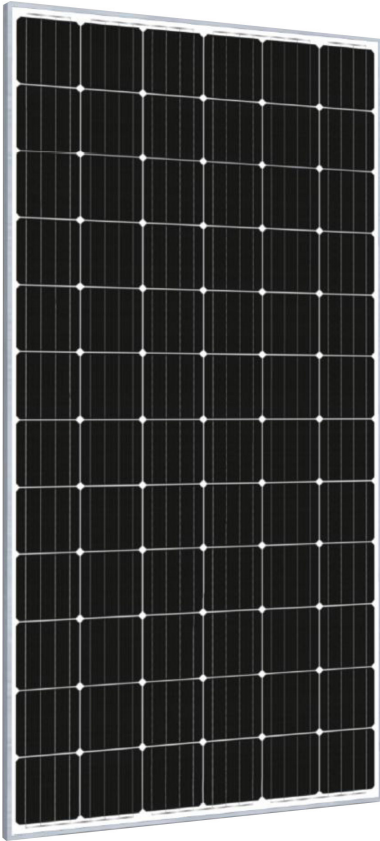


325 W - 340 W MONO-CRYSTALLINE SOLAR MODULE



- ✓ Premium series: 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

QUALIFICATIONS AND CERTIFICATES

CE-Compliant, IEC 61215 (Ed.1) application class A, TÜV Safety Class II, UL 1703



WARRANTY

10 Years: Manufacturing Warranty
 12 Years Warranty: 90% Power Output
 25 Years Warranty: 80% Power Output

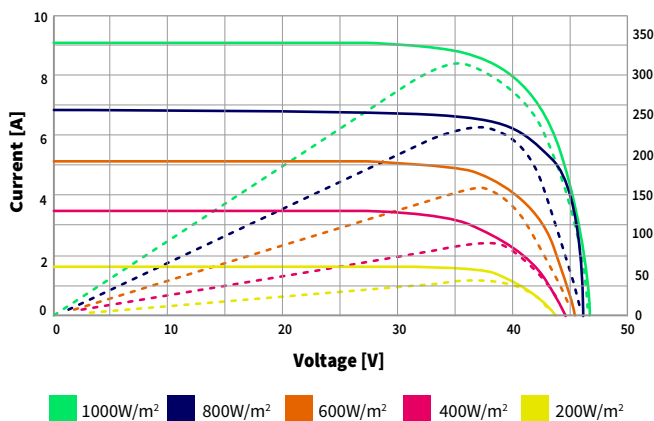
MECHANICAL CHARACTERISTICS

Cell type	Mono-crystalline
Cell Dimensions	156.75 × 156.75 mm
Cell Arrangement	72 (6 × 12)
Weight	22 kg
Module Dimensions	1960 × 992 × 40 mm
Glass	3.2 mm, high transmission, tempered
Connector	MC4 compatible
Cable Length	1200 mm
Cable Cross-section Size	4 mm ²
No. of Bypass Diodes	3/6

ELECTRICAL CHARACTERISTICS

SOLAR CELLS		MONO-CRYSTALLINE 156.75 × 156.75MM 72 PCS. (6×12) – 5 BUS BARS			
Model	GSM 325	GSM 330	GSM 335	GSM 340	
Performance at Standard Test Conditions (STC): 1000 W/m², 25°C, AM 1.5, power tolerance +3 %					
Maximum Power (Pmax)	325 Wp	330 Wp	335 Wp	340 Wp	
Operating Voltage (Vmpp)	37.5 V	37.9 V	38.2 V	38.6 V	
Operating Current (Impp)	8.67 A	8.72 A	8.77 A	8.82 A	
Open-Circuit Voltage (Voc)	46.3 V	46.5 V	46.7 V	47.0 V	
Short-Circuit Current (Isc)	9.18 A	9.24 A	9.30 A	9.37 A	
Module Efficiency	16.7 %	17.0 %	17.2 %	17.5 %	
Performance at Nominal Operating Cell Temperature (NOCT) : 800 W/m², 20°C, AM 1.5, wind speed 1m/s					
Maximum Power (Pmax)	240 Wp	244 Wp	248 Wp	251 Wp	
Operating Voltage (Vmpp)	34.8 V	35.1 V	35.3 V	35.5 V	
Operating Current (Impp)	6.92 A	6.97 A	7.03 A	7.09 A	
Open-Circuit Voltage (Voc)	42.9 V	43.1 V	43.2 V	43.5 V	
Short-Circuit Current (Isc)	7.42 A	7.47 A </td <td>7.51 A</td> <td colspan="2">7.57 A</td>	7.51 A	7.57 A	
Temperature Coefficient					
Temperature Coefficient at Pmax	- 0.39 % / °C				
Temperature Coefficient at Voc	- 0.30 % / °C				
Temperature Coefficient at Isc	+ 0.05 % / °C				
Nominal Operating Cell Temperature	45 ± 2 °C				
Operating conditions					
Maximum System Voltage	1000 V / DC (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

