

GSM 320W/325W/330W/335W Diamond



- ✓ Excellent efficiency
- ✓ Improved reliability and durability
- ✓ Positive power tolerance 0/+5W
- ✓ Bankable module
- ✓ PID free
- ✓ Advanced surface texturing
- ✓ Resistance to sand and dust abrasion
- ✓ Safety for salt mist and ammonia corrosion
- ✓ Outstanding power output capability at low irradiance
- ✓ Triple 100% EL tests
- ✓ 3800 Pa wind load and 5400 Pa snow load (900 kg snow load per module); 35 mm hail stones at 97 km/h

QUALIFICATIONS AND CERTIFICATES

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



WARRANTY

15 Years: Manufacturing Warranty
12 Years Warranty: 90% Power Output
30 Years Warranty: 80% Power Output

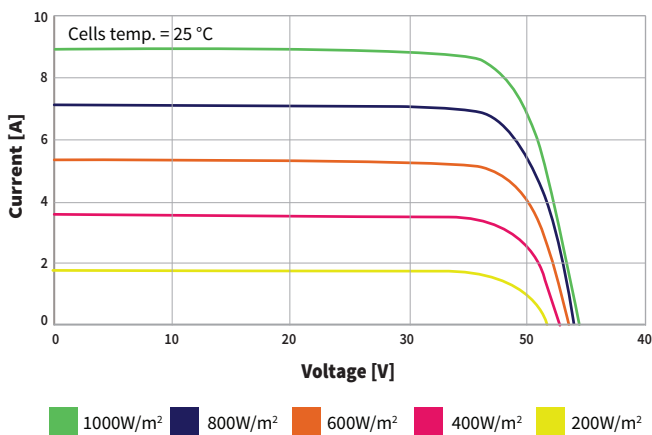
MECHANICAL CHARACTERISTICS

Cell type	Mono-crystalline
No. of Cells	10
Module Dimensions	1623 × 1048 × 35/40 mm
Weight	18.5 kg
Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Connector	MC4 compatible
Output Cables	4.0 mm ² , length 1000 mm
Mechanical load	5400 Pa

ELECTRICAL CHARACTERISTICS

Model	GSM 320 Diamond	GSM 325 Diamond	GSM 330 Diamond	GSM 335 Diamond
Performance at Standard Test Conditions (STC): 1000 W/m², 25°C, AM 1.5				
Maximum Power (Pmax)	320 W	325 W	330 W	335 W
Operating Voltage (Vmpp)	36.4 V	36.6 V	36.8 V	37.05 V
Operating Current (Impp)	8.80 A	8.88 A	8.97 A	9.05 A
Open-Circuit Voltage (Voc)	44.85 V	45.1 V	45.3 V	45.55 V
Short-Circuit Current (Isc)	9.11 A	9.21 A	9.31 A	9.40 A
Module Efficiency	18.81 %	19.11 %	19.4 %	19.7 %
Performance at Nominal Operating Cell Temperature (NOCT) : 800 W/m², 20°C, AM 1.5, wind speed 1m/s				
Maximum Power (Pmax)	237 W	241 W	245 W	248 W
Operating Voltage (Vmpp)	34.14 V	34.29 V	34.43 V	34.63 V
Operating Current (Impp)	6.94 A	7.03 A	7.12 A	7.17 A
Open-Circuit Voltage (Voc)	41.4 V	41.63 V	41.8 V	42.04 V
Short-Circuit Current (Isc)	7.32 A	7.41 A	7.5 A	7.59 A
Power Tolerance	0 / +4.99 W			
Maximum System Voltage	1000 VDC			
Maximum Series Fuse	20 A			
Temperature Characteristics				
Temperature Coefficient at Pmax	- 0.40 % / °C			
Temperature Coefficient at Voc	- 0.32 % / °C			
Temperature Coefficient at Isc	+ 0.05 % / °C			
Nominal Operating Cell Temperature	45 ± 2 °C			
Operating Temperature	-40 °C to 85 °C			

I-V Curves at different irradiance



I-V Curves at different temperature

