

## GSM 335W/340W/345W/350W



- ✓ Excellent module efficiency 18%
- ✓ 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
- ✓ Safety for fire risk
- ✓ 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  
25 Years Warranty: 80% Power Output

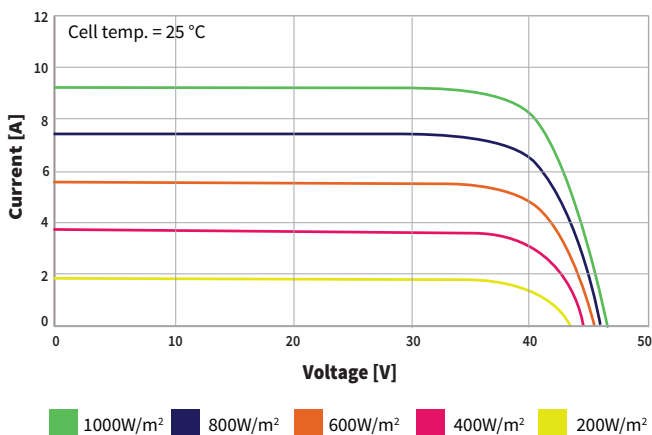
### MECHANICAL CHARACTERISTICS

Cell type	Mono-crystalline, 5 bus bars
No. of Cells	72 (6 × 12)
Module Dimensions	1956 × 992 × 40 mm
Weight	21.5 kg
Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Connector	MC4 compatible
Output Cables	4.0 mm <sup>2</sup> , length 1100 mm
Mechanical load	5400 Pa

# ELECTRICAL CHARACTERISTICS

Model	GSM 335	GSM 340	GSM 345	GSM 350
<b>Performance at Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, 25°C, AM 1.5</b>				
Maximum Power (Pmax)	335 W	340 W	345 W	350 W
Operating Voltage (Vmpp)	37.5 V	37.7 V	37.9 V	38.1 V
Operating Current (Impp)	8.94 A	9.02 A	9.11 A	9.19 A
Open-Circuit Voltage (Voc)	46.4 V	46.6 V	46.8 V	47.0 V
Short-Circuit Current (Isc)	9.23 A	9.32 A	9.43 A	9.51 A
Module Efficiency	17.26 %	17.52 %	17.78 %	18.04 %
<b>Performance at Nominal Operating Cell Temperature (NOCT) : 800 W/m<sup>2</sup>, 20°C, AM 1.5, wind speed 1m/s</b>				
Maximum Power (Pmax)	249 W	252 W	256 W	260 W
Operating Voltage (Vmpp)	35.3 V	35.5 V	35.6 V	35.8 V
Operating Current (Impp)	7.05 A	7.10 A	7.19 A	7.27 A
Open-Circuit Voltage (Voc)	42.8 V	43.0 V	43.2 V	43.4 V
Short-Circuit Current (Isc)	7.53 A	7.59 A	7.64 A	7.68 A
Power Tolerance	0 / +4.99 W			
Maximum System Voltage	1000 VDC			
Maximum Series Fuse	20 A			
<b>Temperature Characteristics</b>				
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

