

## GSP 335W/340W/345W



- ✓ Excellent module efficiency – up to 17.77%
- ✓ 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 61215-1 (ed.1), IEC 61215-1-1 (ed.1), IEC 61215-2 (ed.1)  
IEC 61730-1 (ed.2), IEC 61730-2 (ed.2), application class A, Safety Class II, UL 1703



### WARRANTY

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

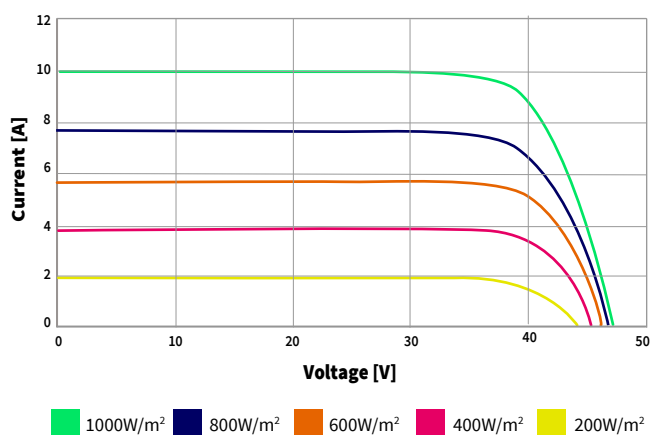
### MECHANICAL CHARACTERISTICS

Solar Cells	Poly-crystalline silicon
No. of Cells	72 (6 × 12)
Module Dimensions	1957 × 992 × 40 mm
Weight	21.5 kg
Front Glass	3.2 mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Cables	4.0 mm <sup>2</sup> PV special cable
Connectors	MC4 compatible

# ELECTRICAL CHARACTERISTICS

Model	GSP 335	GSP 340	GSP 345
<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
Operating Voltage (Vmpp)	37.79 V	38.04 V	38.30 V
Operating Current (Impp)	8.87 A	8.94 A	9.01 A
Open-Circuit Voltage (Voc)	46.30 V	46.65 V	47.00 V
Short-Circuit Current (Isc)	9.35 A	9.41 A	9.47 A
Module Efficiency	17,26%	17,51%	17,77%
<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)	248 W	252 W	256 W
Operating Voltage (Vmpp)	35.44 V	35.75 V	36.06 V
Operating Current (Impp)	7.00 A	7.05 A	7.10 A
Open-Circuit Voltage (Voc)	43.97 V	44.38 V	44.79 V
Short-Circuit Current (Isc)	7.39 A	7.44 A	7.49 A
Module Efficiency	16.63 %	16.89 %	17.40 %
Power Tolerance		0 / +5 W	
Maximum System Voltage		1500 V	
<b>Temperature Characteristics</b>			
Temp. Coefficient at Pmax		- 0.394 % / °C	
Temp. Coefficient at Voc		- 0.307 % / °C	
Temp. Coefficient at Isc		0.04% / °C	
Nominal Operating Cell Temp.		45 ± 2 °C	
Operating Temp.		-40 °C to 85 °C	

Current-Voltage Curve (345 W)



Power-Voltage Curve (345 W)

