

## 360 W - 375 W MONO-CRYSTALLINE SOLAR MODULE



- ✓ Half-cut cell technology: New circuit design, lower internal current, lower Rs loss
- ✓ Maximize limited space: More internal reflection, maximum power output 310W
- ✓ Significantly lower risk of hot spot: Special circuit design, lower hot spot temperature
- ✓ Lower LcoE: 1% more power generation
- ✓ Excellent anti-PID performance
- ✓ Highly reliable due to stringent quality control: certification requirements, in-house testing
- ✓ Certified to withstand the most challenging environmental conditions: 2400 Pa wind load, 5400 Pa snow load, 25 mm hail stones at 82 km/h
- ✓ IP68 junction box: the highest waterproof level

### 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, half-cut
Cell Arrangement	72 (6 × 12)
Weight	23 kg
Module Dimensions	2000 × 992 × 40 mm
Glass	3.2 mm, high transmission, tempered
Connector	MC4 compatible
Cable Length	300 mm
Cable Cross-section Size	4 mm <sup>2</sup>
No. of Bypass Diodes	3/6

# ELECTRICAL CHARACTERISTICS

<b>SOLAR CELLS</b>	<b>MONO-CRYSTALLINE 156.75 × 156.75MM 60 PCS. (7×12) – 5 BUS BARS</b>			
<b>Model</b>	<b>GSM 360 HC</b>	<b>GSM 365 HC</b>	<b>GSM 370 HC</b>	<b>GSP 375 HC</b>

**Performance at Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, 25°C, AM 1.5, positive power tolerance: 0/+3%**

Maximum Power (Pmax)	360 Wp	365 Wp	370 Wp	375 Wp
Operating Voltage (Vmpp)	39.1 V	39.3 V	39.6 V	39.8 V
Operating Current (Impp)	9.21 A	9.29 A	9.35 A	9.43 A
Open-Circuit Voltage (Voc)	47.8 V	48.0 V	48.3 V	48.5 V
Short-Circuit Current (Isc)	9.70 A	9.77 A	9.83 A	9.89 A
Module Efficiency	18.5 %	18.8 %	19.0 %	19.3 %

**Performance at Nominal Operating Cell Temperature (NOCT) : 800 W/m<sup>2</sup>, 20°C, AM 1.5, wind speed 1m/s**

Maximum Power (Pmax)	266 Wp	270 Wp	274 Wp	278 Wp
Operating Voltage (Vmpp)	36.2 V	36.4 V	36.7 V	36.9 V
Operating Current (Impp)	7.36 A	7.42 A	7.47 A	7.52 A
Open-Circuit Voltage (Voc)	44.2 V	44.4 V	44.7 V	44.8 V
Short-Circuit Current (Isc)	7.84 A	7.89 A	7.94 A	7.99 A

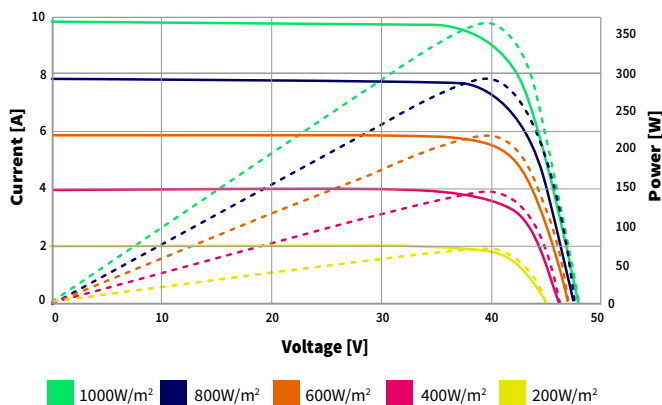
### Temperature Coefficient

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	DC1000 V (IEC) / DC1500 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

