



GSM POLY SERIES 250-280W/60/5BB



Maximum efficiency
17.21% conversion efficiency
Up to 171W/m² power density



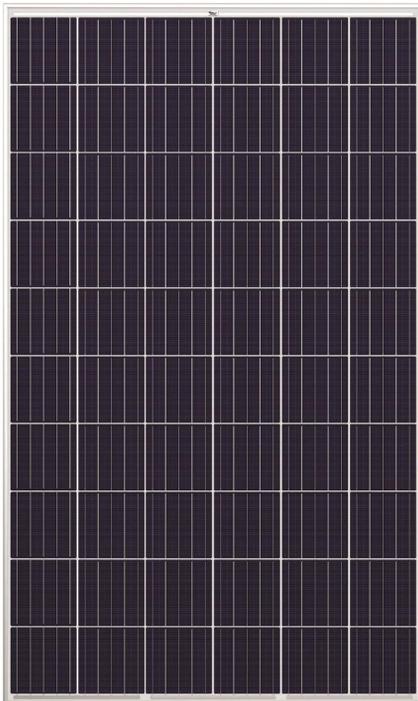
Positive features
5 Bus Bar highlight efficiency
0~+3% power tolerance
96.5% low irradiance performance



Sever quality control
PID free
IP67 junction box adopted
100% EL strict examination



Outstanding environment resistance
2400Pa wind load
5400Pa snow load
97km/h of 35mm hail stones

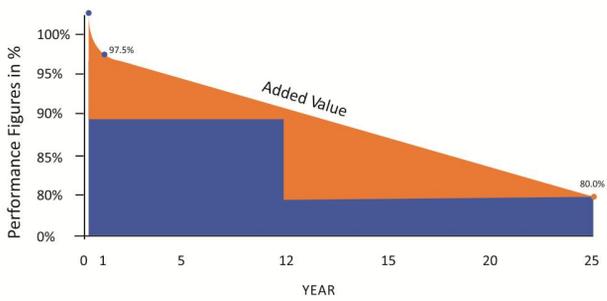


Introduction

Great Solar, established in 2010, is a global leading professional PV module manufacturer, our products have been applied in residential, commercial and grounding solar photovoltaic power plant systems. Great Solar produces high-performance solar products, provides whole system solutions and technical support for best serving clients. We dedicate to satisfy clients' requirements in high quality solar panels for maximumly improving customers' revenue.

We firmly believe shat Customer Orientation is the basic for company development, with the principle of feedback within 4 hours, preliminary solution in 8 hours, Great Solar will be your optimal photovoltaic service provider.

- 12-year product warranty
- 25-year linear power output warranty



Model(GSM)	250(P)	255(P)	260(P)	265(P)	270(P)	275(P)	280(P)
Electrical Characteristics STC							
Max-power Pm(W)	250	255	260	265	270	275	280
Open-circuit voltage Voc(V)	37.45	37.65	37.86	38.07	38.28	38.49	38.69
Open-circuit current Isc(A)	8.79	8.86	8.92	8.99	9.03	9.08	9.13
Max-power voltage Vmp(V)	30.72	30.99	31.14	31.44	31.85	32.21	32.59
Max-power current Imp(A)	8.14	8.23	8.35	8.43	8.48	8.54	8.60
Module efficiency	15.37%	15.67%	15.98%	16.29%	16.60%	16.90%	17.21%
Power tolerance	0-3%						
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5							

Mechanical Characteristics

Cell Type	Polycrystalline 156.75x156.75mm
NO. of Cells	60 (6x10) Solar Cells
Solar Cell Technology	5 Bus Bar
Glass	Low Iron, Tempered Glass, 3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated
Connector	MC4 Compatible
Cable	1x4.0mm ²
Dimension	1640x992x35mm
Weight	18.0kg

Temperature and Coefficients

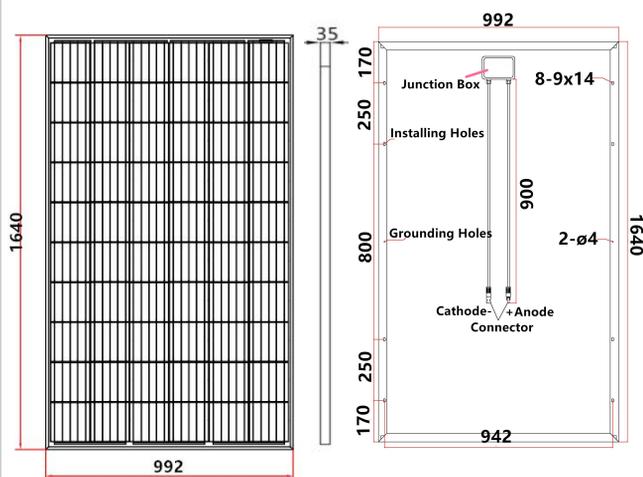
Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient Of Pmax (%/°C)	-0.39
Temperature Coefficient Of Voc (%/°C)	-0.34
Temperature Coefficient Of Isc (%/°C)	0.09

Operating Conditions

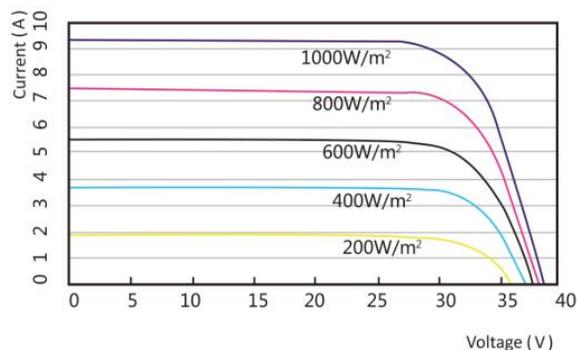
Operating Temperature	-40~ +85°C
Storage Temperature	-40~ +85°C
Maximum Series Fuse Rating	15A
Maximum System Voltage	DC1000V

Packing

Pallet	30pcs/pallet
Loading Capacity	324pcs/20'GP; 896pcs/40'HQ



Engineering Drawings



I-V CURVES