



Maximum efficiency
17.83% conversion efficiency



Positive power tolerance
0~+3%



Application
Applied for IEC DC 1000V solar PV system



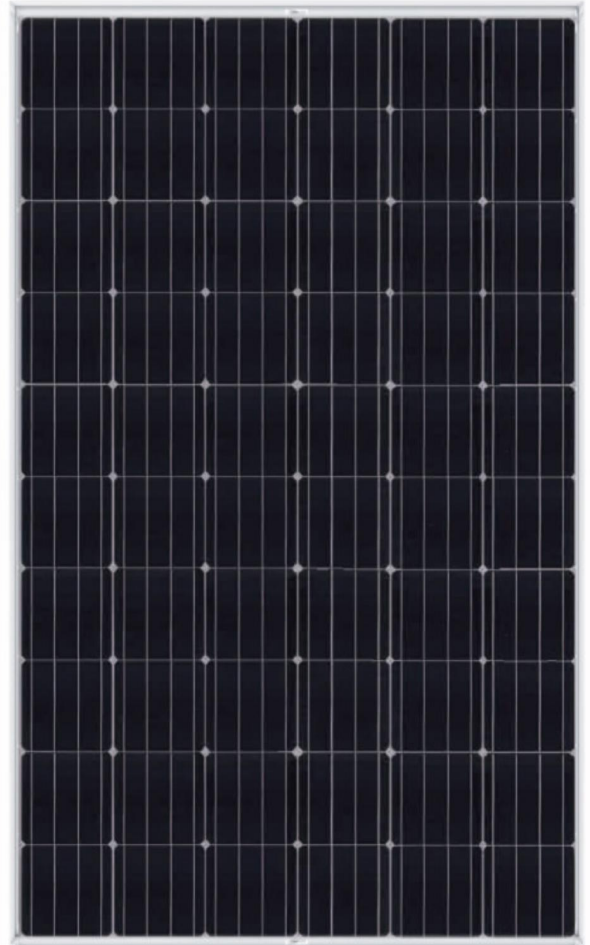
Severe environment resistance
Wind load 2400 Pascal
Snow load 5400 Pascal



Certification
IEC 61215(2005)
IEC 61730(2004)

GSM Mono Series

260-290W/60/4BB

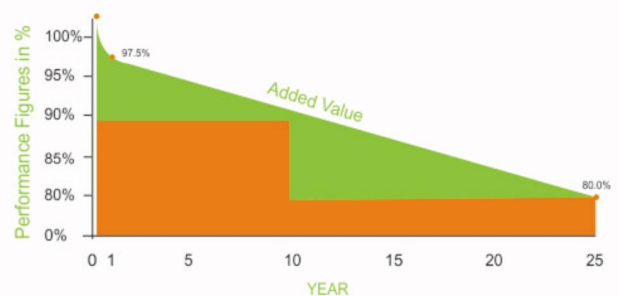


Introduction

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.

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



Clean Energy Council



Model(GSM)	260(M)	265(M)	270(M)	275(M)	280(M)	285(M)	290(M)
Electrical Characteristics STC							
Max-power Pm(W)	260	265	270	275	280	285	290
Max-power voltage Vmp(V)	30.70	30.90	31.30	31.50	31.70	31.90	32.10
Max-power current Imp(A)	8.47	8.58	8.63	8.73	8.83	8.94	9.04
Open-circuit voltage Voc(V)	37.70	38.00	38.40	38.60	38.80	38.90	39.40
Short-circuit current Isc(A)	9.00	9.10	9.23	9.25	9.32	9.44	9.46
Module efficiency	15.98%	16.29%	16.60%	16.90%	17.21%	17.52%	17.83%
Power tolerance	0%-3%						
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5							
Electrical Characteristics NOCT							
Max-power Pm(W)	193	197	201	205	209	213	216
Max-power voltage Vmp(V)	28.40	28.60	28.80	29.00	29.30	29.60	29.80
Max-power current Imp(A)	6.80	6.89	6.98	7.06	7.13	7.20	7.26
Open-circuit voltage Voc(V)	35.50	35.70	35.90	36.10	36.30	36.70	36.80
Short-circuit current Isc(A)	7.21	7.30	7.40	7.48	7.56	7.63	7.66
NOCT: Irradiance 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s							

Mechanical Characteristics

Cell Type	Monocrystalline 156x156mm
No.of Cells	60(6x10) Solar Cells
Solar Cell Technology	4 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	1640x992x35 mm
Weight	18.0 kg

Temperature and Coefficients

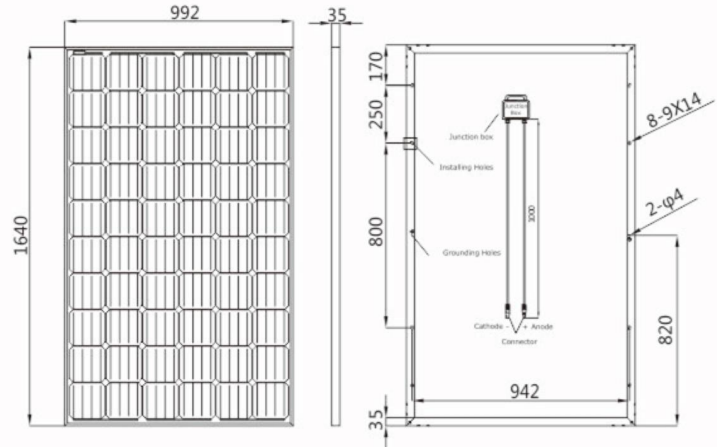
Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient Of Pmax(%/°C)	-0.37
Temperature Coefficient Of Voc(%/ °C)	-0.32
Temperature Coefficient Of Isc(%/ °C)	0.09

Operating Conditions

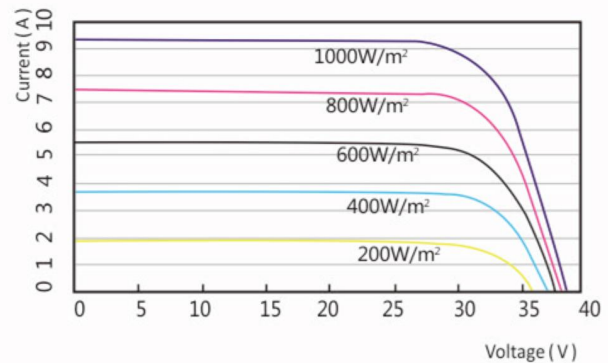
Operating Temperature	-40 ~+85°C
Storage Temperature	-40 ~+85°C
Maximum Series Fuse Rating	15A
Maximum System Voltage	DC1000V

Packing

Pallet	29pcs/pallet
Loading Capacity	330pcs/20'GP; 868pcs/40'HQ



Engineering Drawings



I-V CURVES