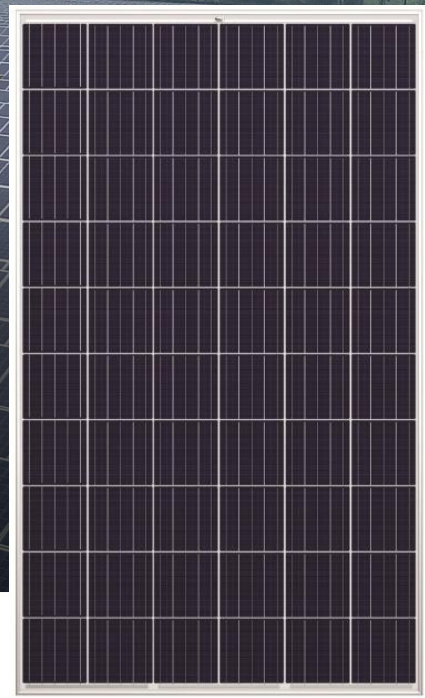




GSM250-280WP6-60



Maximum efficiency



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

Positive features



Multi Bar highlight efficiency
0~+5W power tolerance
96.5% low irradiance performance

Sever quality control



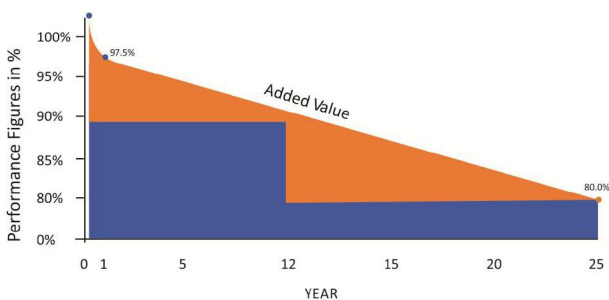
PID free
100% EL strict examination

Outstanding environment resistance



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

Superior Warranty

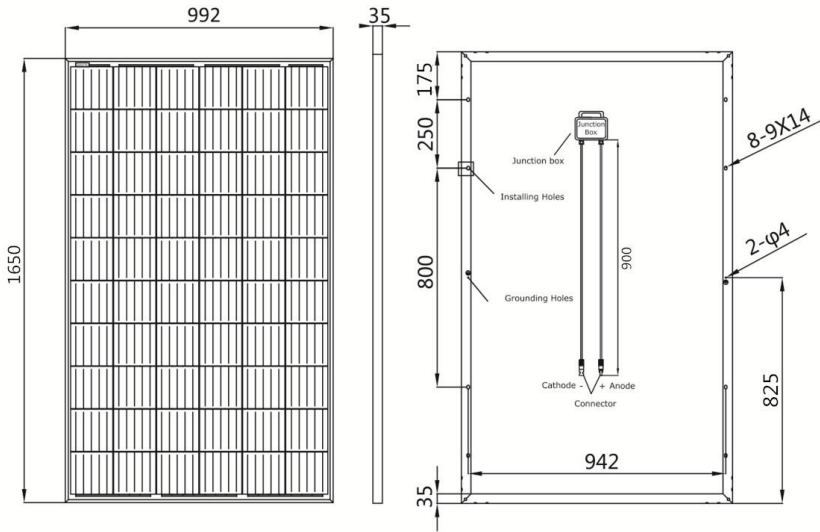


Introduction

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.



MECHANICAL DIAGRAMS



SPECIFICATIONS

Cell	Polycrystalline
NO. of Cells	60(6x10) Solar Cells
Frame	Anodized Aluminum Alloy
Glass	Low Iron, Tempered Glass, 3.2mm
Junction Box	IP67 Rated
Connector	MC4 Compatible
Dimension	1650x992x35mm
Weight	18kg

ELECTRIC CHARACTERISTICS

Model	GSM250P6-60	GSM255P6-60	GSM260P6-60	GSM265P6-60	GSM270P6-60	GSM275P6-60	GSM280P6-60
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

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

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



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