



## GSM POLY SERIES

300-340W/72/5BB



**Maximum efficiency**  
 17.53% conversion efficiency  
 Up to 171W/m<sup>2</sup> power density



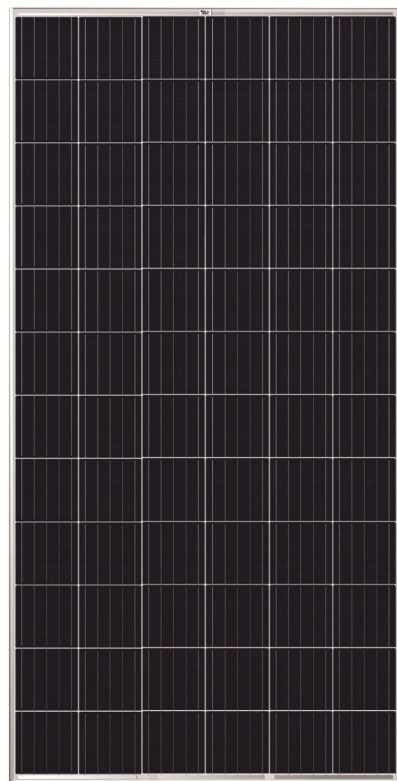
**Positive features**  
 5 Bus Bar highlight efficiency  
 0~+3% power tolerance  
 96.5% low irradiance performance



**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

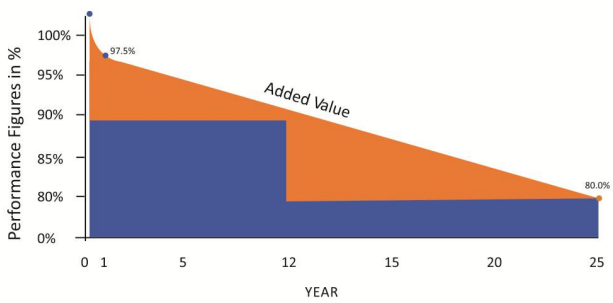


## Introduction

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 that 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)	300(P)	305(P)	310(P)	315(P)	320(P)	325(P)	330(P)	335(P)	340(P)
<b>Electrical Characteristics STC</b>									
Max-power Pm(W)	300	305	310	315	320	325	330	335	340
Open-circuit voltage Voc(V)	45.20	45.35	45.44	45.56	45.69	45.80	45.86	45.90	45.94
Open-circuit current Isc(A)	8.79	8.85	8.88	8.93	8.99	9.03	9.08	9.13	9.16
Max-power voltage Vmp(V)	36.86	37.15	37.45	37.68	37.96	38.33	38.65	38.96	39.31
Max-power current Imp(A)	8.14	8.21	8.28	8.36	8.43	8.48	8.54	8.60	8.65
Module efficiency	15.47%	15.73%	15.98%	16.24%	16.50%	16.76%	17.02%	17.27%	17.53%
Power tolerance	0-3%								
STC: Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5									

## Mechanical Characteristics

Cell Type	Polycrystalline 156.75x156.75mm
NO. of Cells	72 (6x12) 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 <sup>2</sup>
Dimension	1955x992x40mm
Weight	25.0kg

## Temperature and Coefficients

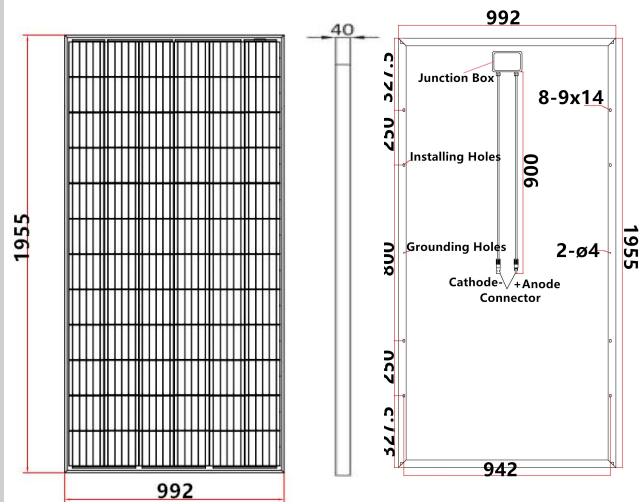
Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient Of Pmax (%/°C)	-0.39
Temperature Coefficient Of Voc (%/°C)	-0.34
Temperature Coefficient Of Isc (%/°C)	0.09

## Operating Conditions

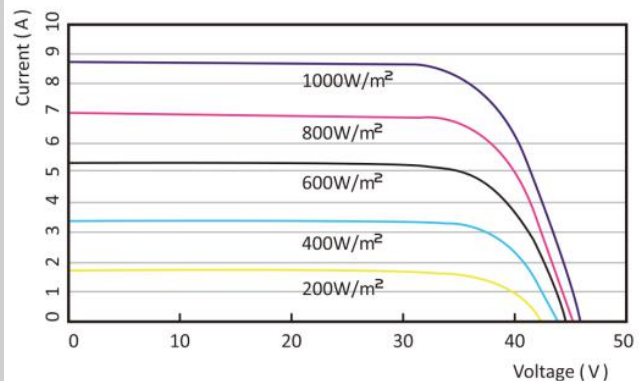
Operating Temperature	-40~ +85°C
Storage Temperature	-40~ +85°C
Maximum Series Fuse Rating	15A
Maximum System Voltage	DC1000V

## Packing

Pallet	26pcs/pallet
Loading Capacity	240pcs/20'GP; 624pcs/40'HQ



## Engineering Drawings



## I-V CURVES