

**Mono**

# GSM500-520M8-156BG

## Bifacial HJT Mono Half Cell Series

### Maximum efficiency



22.1% conversion efficiency  
Better shading tolerance

### Positive features



Multi Bar highlight efficiency  
0~+5W power tolerance

### Sever quality control



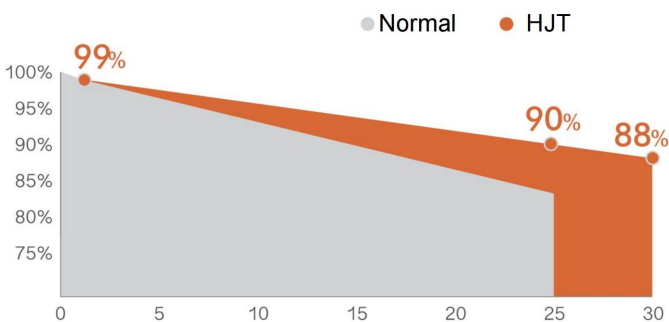
100% EL strict examination  
PID resistant and free of snail trails

### Outstanding environment resistance



3600Pa wind load  
5400Pa snow load

### Superior Warranty

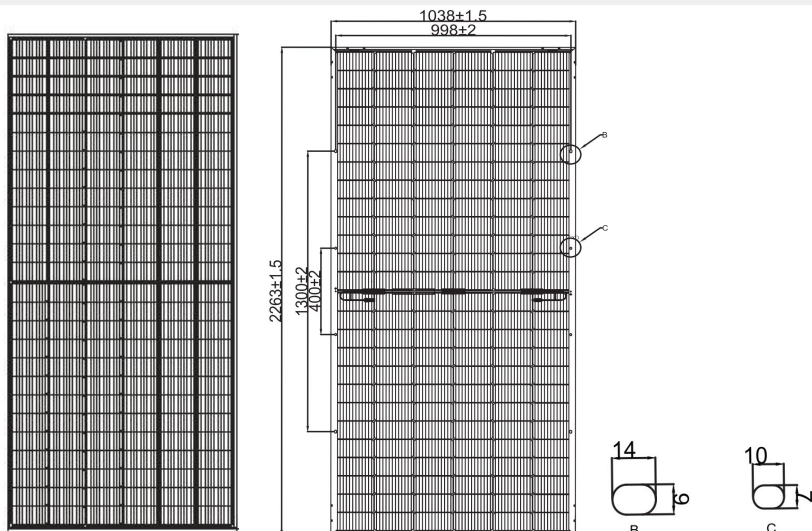


### Introduction

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 Size	166*83 mm
No. of Cells	156(6x26) Solar Cells
Frame	Anodized Aluminum Alloy
Glass	(F)2.0mm Anti-reflective surface Solar Glass,(B) 2.0mm Solar Glass
Junction Box	IP67/IP68 Rated
Connector	MC4 Compatible
Dimension	2263x1038x30mm
Weight	29.5 kg
Packing	36/CARTON,720/40HQ

## ELECTRIC CHARACTERISTICS

Model	GSM500M8-156BG		GSM505M8-156BG		GSM510M8-156BG		GSM515M8-156BG		GSM520M8-156BG	
	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Max-power Pm(W)	500	550	505	555	510	560	515	565	520	570
Open-circuit voltage Voc(V)	58.01	58.27	58.04	58.28	58.15	58.30	58.19	58.33	58.21	58.38
Open-circuit current Isc(A)	10.67	11.68	10.70	11.71	10.71	11.72	10.73	11.74	10.76	11.76
Max-power voltage Vmp(V)	48.36	48.46	48.61	48.69	48.95	49.00	49.24	49.26	49.53	49.53
Max-power current Imp(A)	10.34	11.35	10.39	11.40	10.42	11.43	10.46	11.47	10.50	11.51

STC/BSTC: Front Side Irradiance 1000W/m<sup>2</sup>, Back Side Reflection Irradiance 135W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

## TEMPERATURE AND COEFFICIENTS

## OPERATING CONDITIONS

Nominal Module Operating Temperature	44±2°C	Operating Temperature	-40~ + 85°C
Temperature Coefficient Of Pmax (%/°C)	-0.26	Storage Temperature	-40~ + 85°C
Temperature Coefficient Of Voc (%/°C)	-0.24	Maximum Series Fuse Rating	20A
Temperature Coefficient Of Isc (%/°C)	0.04	Maximum System Voltage	DC1500V



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