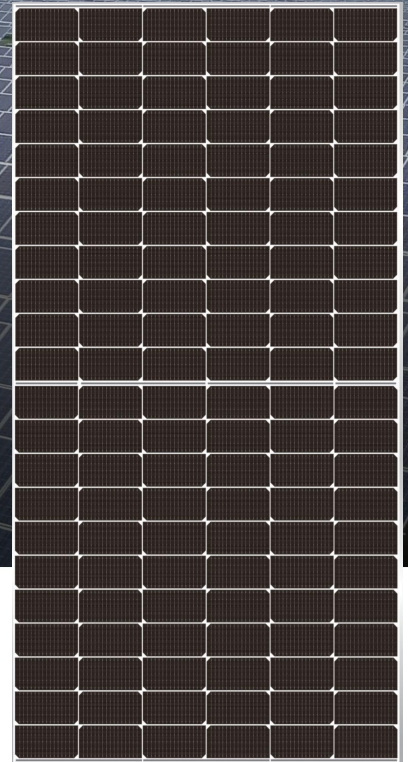




**Mono**

# GSM680-700M12-132BG

## Bifacial HJT Mono Half Cell Series



### Maximum efficiency



22.5% conversion efficiency  
Better shading tolerance



### Positive features

Multi Bar highlight efficiency  
0~+5W power tolerance

### Sever quality control



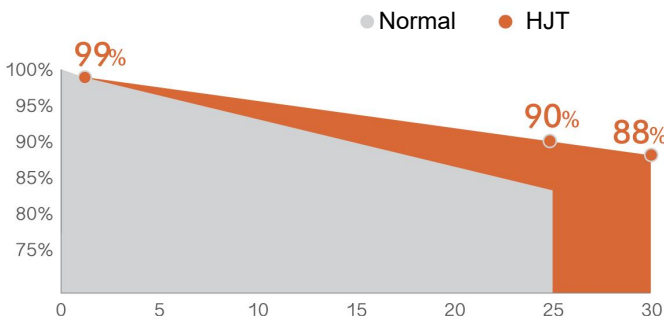
100% EL strict examination  
PID resistant and free of snail trails



### Outstanding environment resistance

3600Pa wind load  
5400Pa snow load

### Superior Warranty



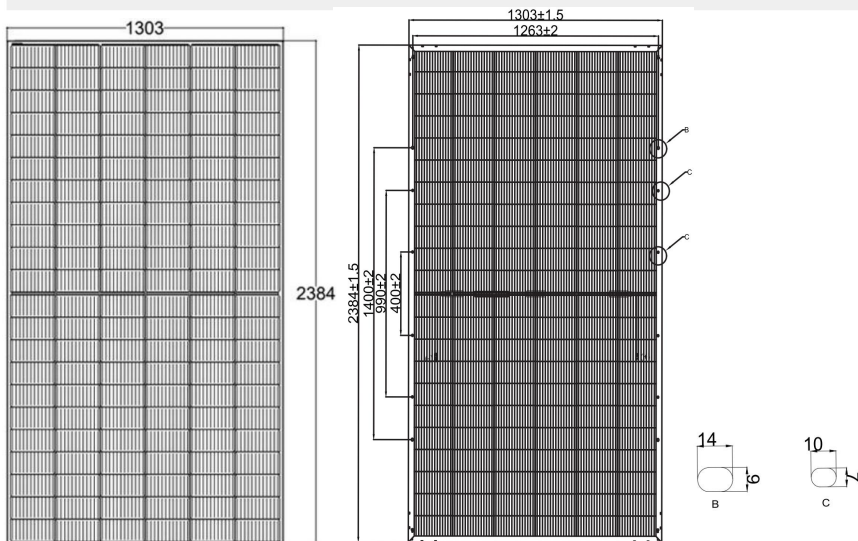
### Introduction

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.



# LGREATSOLAR GSM Mono Series 680-700W (HJT210 cell)

## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Cell Size	210*105 mm
No. of Cells	132(6x22) 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	2384x1303x35mm
Weight	38.7 kg
Packing	31/CARTON,527/40HQ

## ELECTRIC CHARACTERISTICS

Model	GSM680M12-132BG		GSM685M12-132BG		GSM690M12-132BG		GSM695M12-132BG		GSM700M12-132BG	
	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Max-power Pm(W)	680	750	685	756	690	761	695	767	700	772
Open-circuit voltage Voc(V)	49.50	49.50	49.66	49.66	49.82	49.82	49.98	49.98	50.13	50.13
Open-circuit current Isc(A)	17.19	18.96	17.25	19.04	17.31	19.09	17.37	19.17	17.43	19.22
Max-power voltage Vmp(V)	41.49	41.49	41.65	41.65	41.80	41.80	41.95	41.95	42.10	42.10
Max-power current Imp(A)	16.39	18.08	16.45	18.16	16.51	18.21	16.57	18.29	16.63	18.34

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

Nominal Module Operating Temperature	44±2°C
Temperature Coefficient Of Pmax (%/°C)	-0.26
Temperature Coefficient Of Voc (%/°C)	-0.24
Temperature Coefficient Of Isc (%/°C)	0.04

## OPERATING CONDITIONS

Operating Temperature	-40~ + 85°C
Storage Temperature	-40~ + 85°C
Maximum Series Fuse Rating	30A
Maximum System Voltage	DC1500V



Add: 56-1 Hundsun Science & Technology Park, Tianning District, Changzhou, Jiangsu, China  
 Email: info@great-solar.com  
 Web: www.great-solar.com  
 Tel: 0086-519-89962158  
 Fax: 0086-519-89962159