

**Mono**

# GSM380-400M8-120BG

## Bifacial HJT Mono Half Cell Series

### Maximum efficiency



22% conversion efficiency  
Better shading tolerance

### Positive features



Multi Bar highlight efficiency  
0~+5W power tolerance

### Sever quality control



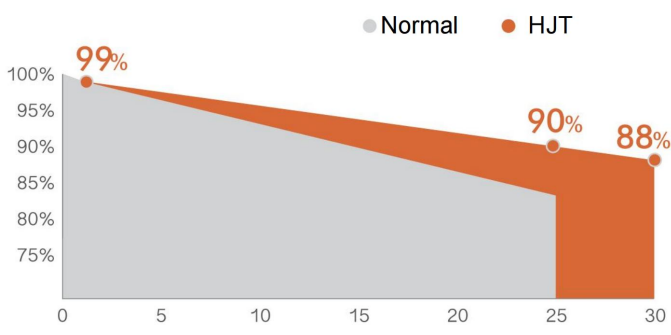
100% EL strict examination  
PID resistant and free of snail trails

### Outstanding environment resistance



3600Pa wind load  
5400Pa snow load

### Superior Warranty



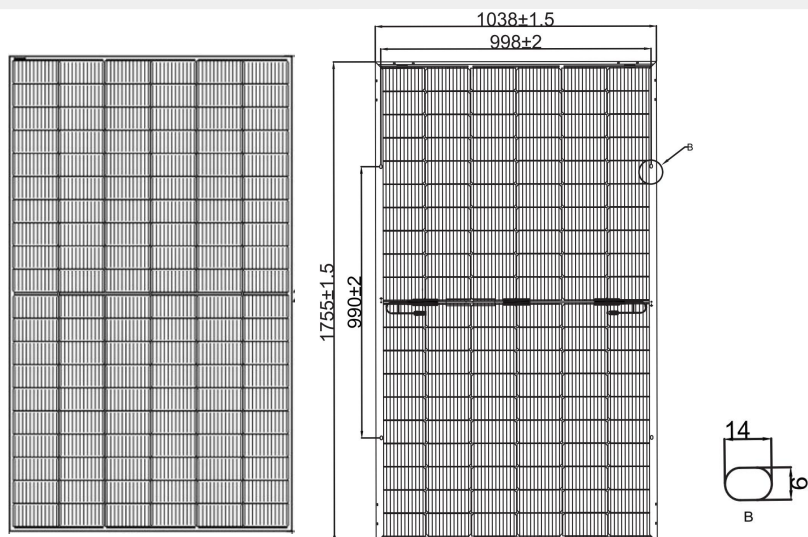
### Introduction

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 380-400W (HJT166 cell)

## MECHANICAL DIAGRAMS



## SPECIFICATIONS

Cell Size	166*83 mm
No. of Cells	120(6x20) 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	1755x1038x30mm
Weight	23.5 kg
Packing	36/CARTON,936/40HQ

## ELECTRIC CHARACTERISTICS

Model	GSM380M8-120BG		GSM385M8-120BG		GSM390M8-120BG		GSM395M8-120BG		GSM400M8-120BG	
	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC	STC	BSTC
Max-power Pm(W)	380	420	385	425	390	430	395	435	400	440
Open-circuit voltage Voc(V)	44.22	45.34	44.35	45.61	44.48	45.94	44.61	46.81	44.74	47.51
Open-circuit current Isc(A)	10.50	11.49	10.56	11.53	10.62	11.57	10.68	11.61	10.74	11.65
Max-power voltage Vmp(V)	37.52	38.31	37.70	38.50	37.91	38.67	38.16	38.93	38.36	39.20
Max-power current Imp(A)	10.14	11.09	10.22	11.13	10.30	11.18	10.36	11.23	10.44	11.28

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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