

Mono

GSM380-400M8-120BGN

Bifacial HJT Mono Half Cell

Black Series



Maximum efficiency



22% conversion efficiency
Better shading tolerance

Positive features



Multi Bar highlight efficiency
0~+5W power tolerance

Sever quality control



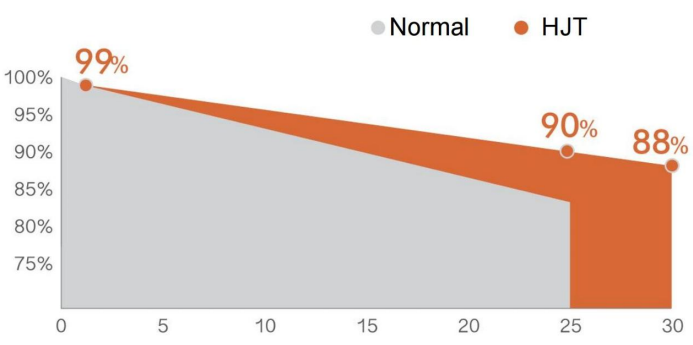
100% EL strict examination
PID resistant and free of snail trails

Outstanding environment resistance



3600Pa wind load
5400Pa snow load

Superior Warranty



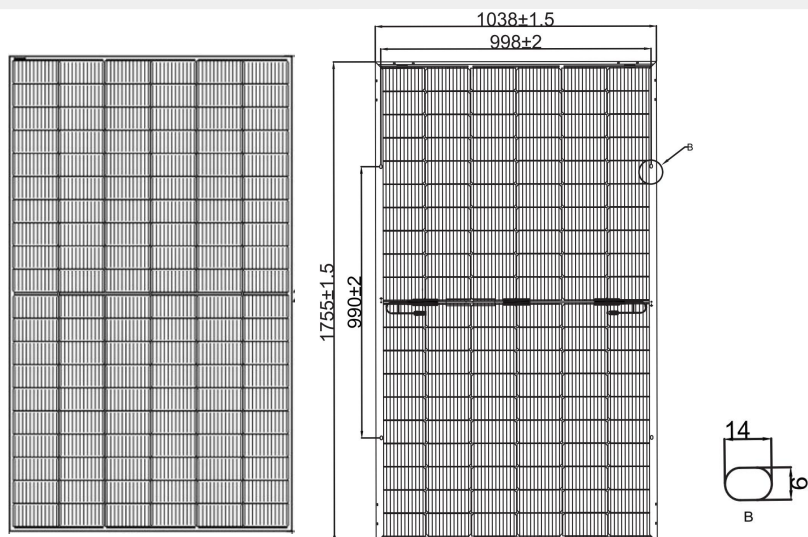
Introduction

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	GSM380M8-120BGN		GSM385M8-120BGN		GSM390M8-120BGN		GSM395M8-120BGN		GSM400M8-120BGN	
	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/m², Back Side Reflection Irradiance 135W/m², 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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