

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



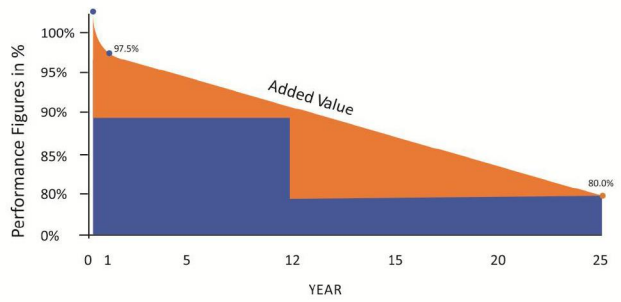
100% EL strict examination
PID resistant and free of snail trails

Outstanding environment resistance



3600Pa wind load
5400Pa snow load

Superior Warranty



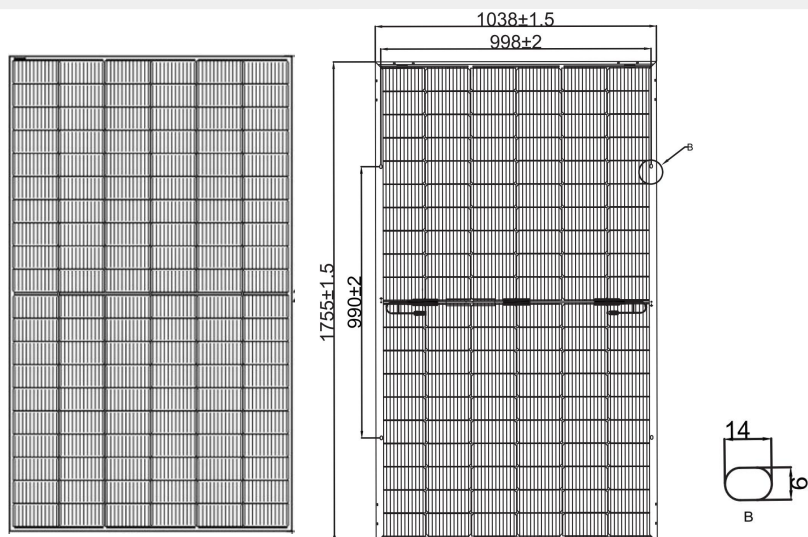
Introduction

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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