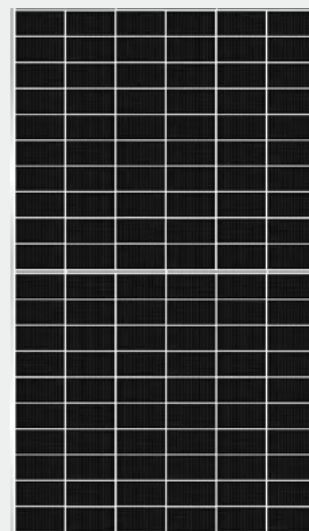


625~640 Watt

White Grid Glass Glass

HJT



MG620-640G12-120D4

Key Features



High Efficiency

Leading module efficiency in industry, up to 23%



Hetero Junction Technology Half Cell

Series-then-parallel cell connection design, more reliable soldering technology



High Reliability

Two times EL/Critical Visual inspection



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



Excellent Rear Side Power Generation

Bifaciality is up to 90%, up to 25% more energy yield than conventional modules



Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Product and Quality Certifications

IEC 61215, IEC 61730

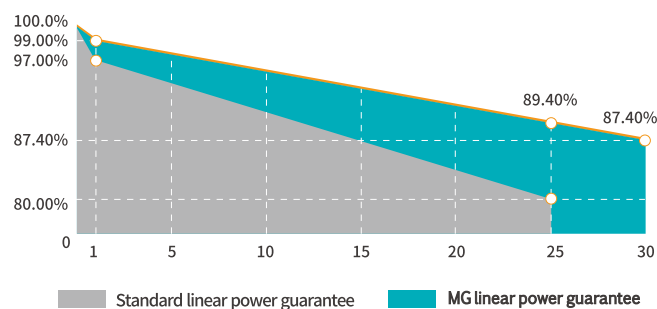
ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test

IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



MG620-640G12-120D4

210mm HJT White Grid Glass Glass

☀️ Electrical Characteristics (STC*)

Maximum Power (Pmax)	625W	630W	635W	640W	645W
Module Efficiency (%)	22.08%	22.26%	22.44%	22.61%	22.79%
Optimum Operating Voltage (Vmp)	37.86V	38.03V	38.19V	38.35V	38.51V
Optimum Operating Current (Imp)	16.51A	16.57A	16.63A	16.69A	16.75A
Open Circuit Voltage (Voc)	45.13V	45.30V	45.48V	45.65V	45.82V
Short Circuit Current (Isc)	17.31A	17.37A	17.43A	17.49A	17.55A
Operating Module Temperature	-40 ~ +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
Power Tolerance	0~+5W				
Bifaciality	85% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within +/- 3%.

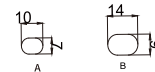
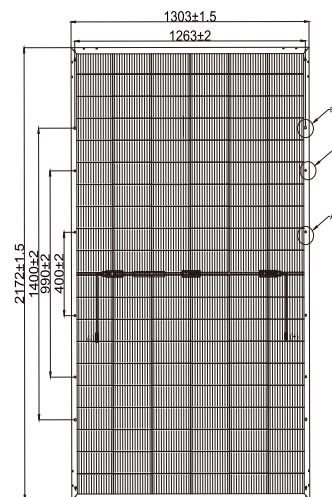
☀️ Bstc**

Maximum Power (Pmax)	690W	695W	700W	705W	710W
Optimum Operating Voltage (Vmp)	37.86V	38.03V	38.19V	38.35V	38.51V
Optimum Operating Current (Imp)	18.23A	18.28A	18.33A	18.39A	18.44A
Open Circuit Voltage (Voc)	45.13V	45.30V	45.48V	45.65V	45.82V
Short Circuit Current (Isc)	19.11A	19.16A	19.21A	19.27A	19.32A

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25 °C.

☀️ Mechanical Specifications

Cell Type	HJT Mono 210 × 105mm
Cell Connection	120 (6 × 20)
Module Dimension	2172 × 1303 × 35 mm
Weight	35.3 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4 original / MC4 compatible
Frame	Anodised aluminum alloy
Encapsulant	EPE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm anti-reflective solar glass (B) 2.0mm solar glass



☀️ Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

☀️ Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.375%, and the power is no less than 88% until the 30th year.

☀️ Shipping Configurations

Container Size	40'
Pallets Per Container	18
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	558