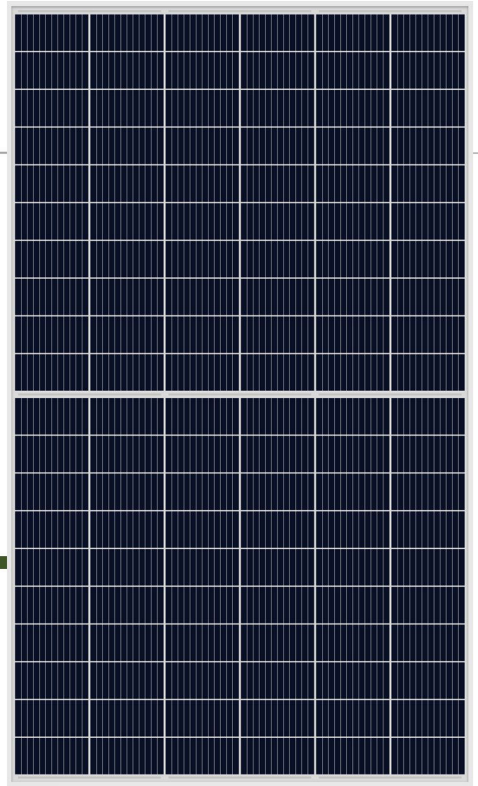


MONO

G12 HALF CELL MONO

595W-605W



120 CELL

G12N MBB MONO PERC

595W-605W

POWER OUTPUT RANGE

21.1%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE

CERTIFICATION



#### Ideal for large scale installations

- High power footprint reduces installation time & BOS costs



#### One of the industry's most trusted modules

- Field proven performance



#### Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

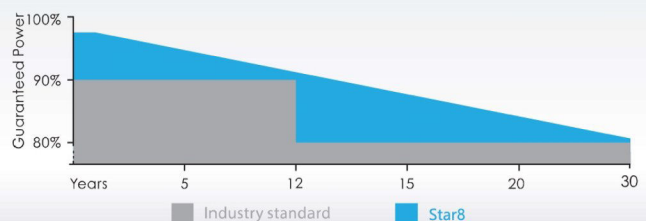


#### Certified to withstand challenging environmental conditions

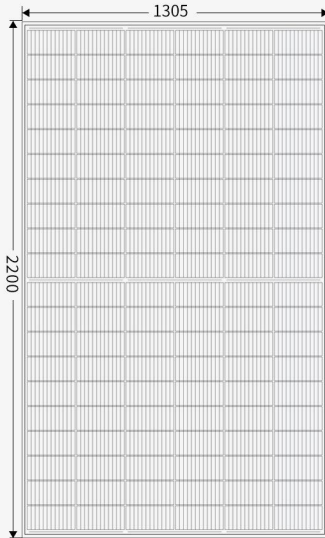
- 2400 Pa wind load
- 5400 Pa snow load
- 25 mm hail stones at 82 km/h

#### LINEAR PERFORMANCE WARRANTY

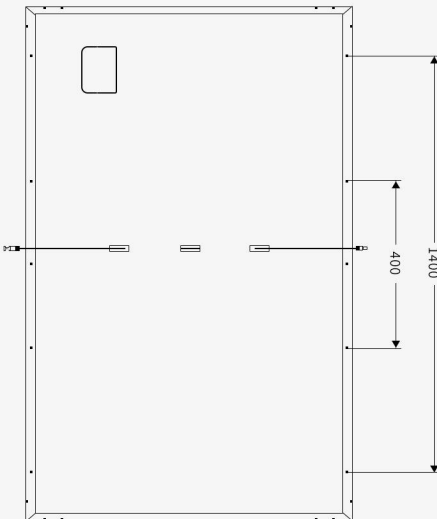
12 Year Product Warranty • 30 Year Linear Power Warranty



### DIMENSIONS OF PV MODULE



FRONT VIEW



BACK VIEW

ELECTRICAL DATA @STC	PW-60M595HG12	PW-60M600HG12	PW-60M605HG12
Peak Power Watts- $P_{MAX}$ (Wp)	595	600	605
Power Output Tolerance- $P_{MAX}$ (W)	0~ +5	0~ +5	0~ +5
Maximum Power Voltage- $V_{MPP}$ (V)	34.2	34.4	34.6
Maximum Power Current- $I_{MPP}$	17.40	17.44	17.49
Open Circuit Voltage- $V_{OC}$ (V)	41.30	41.50	41.70
Short Circuit Current- $I_{SC}$ (A)	18.47	18.52	18.57
Module Efficiency $\eta_m$ (%)	20.7	20.9	21.1

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
Average efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

ELECTRICAL DATA @ NOCT	PW-60M595HG12	PW-60M600HG12	PW-60M605HG12
Maximum Power- $P_{MAX}$ (Wp)	451	454	458
Maximum Power Voltage- $V_{MPP}$ (V)	31.90	32.00	32.20
Maximum Power Current- $I_{MPP}$ (A)	14.13	14.18	14.22
Open Circuit Voltage- $V_{OC}$ (V)	38.90	39.10	39.30
Short Circuit Current- $I_{SC}$ (A)	14.88	14.92	14.96

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar Cells	MBB-210x105mm(Mono-Crystalline Silicon)
Cell Orientation	120cell (6x20)
Module Dimensions	2200 x 1305 x 35mm
Weight	30.9kg
Glass	3.2mm(0.13inches),High Transmission,AR Coated Heat Stenghtened Glass
Backsheet	White
Frame	35mm Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology cable 4.0mm <sup>2</sup> ,1200mm
Connector	MC4EV02/TS4*

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of $P_{MAX}$	0.34%/°C
Temperature Coefficient of $V_{OC}$	0.25%/°C
Temperature Coefficient of $I_{SC}$	0.04%/°C

### MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A
Mechanical Load	5400pa
Wind Load	2400pa

### PACKING CONFIGURATION

Modules per box: 31 pieces
Modules per 40' container: 558 pieces

### WARRANTY

12 year workmanship warranty
30 year linear performance warranty
(Please refer to product warranty for details)