

MONO

G12 HALF CELL MONO

595W-605W

120 CELL

G12N MBB MONO PERC

595W-605W

POWER OUTPUT RANGE

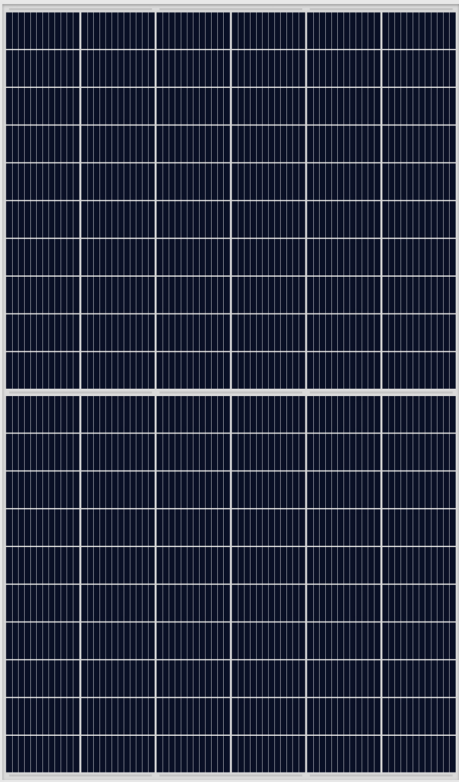
21.1%

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

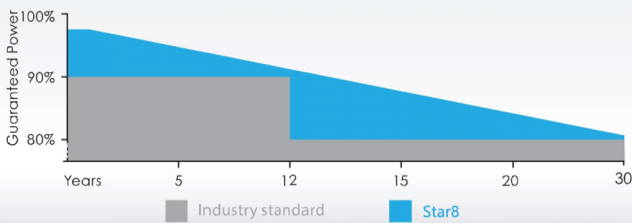


Certified to withstand challenging environmental conditions

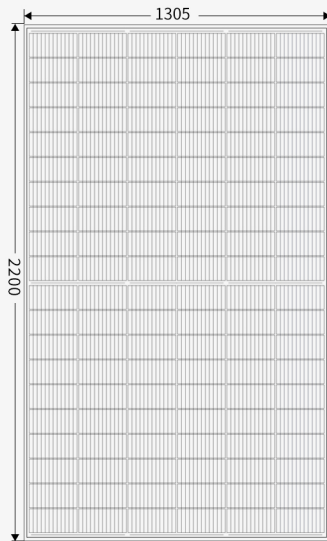
- 2400 Pa wind load
- 5400 Pa snow load
- 25 mm hail stones at 82 km/h

LINEAR PERFORMANCE WARRANTY

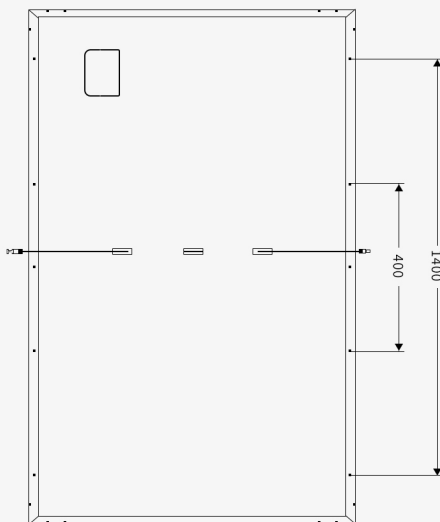
12 Year Product Warranty • 30 Year Linear Power Warranty



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 η_m (%)	20.7	20.9	21.1

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Average efficiency reduction of 4.5% at 200 W/m² 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/m², 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 ² ,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

PACKING CONFIGURATION

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

MAXIMUM RATINGS

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

WARRANTY

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