

G12 HALF CELL MONO **670W-700W**

132 CELL

G12 MBB MONO PERC

22.5%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



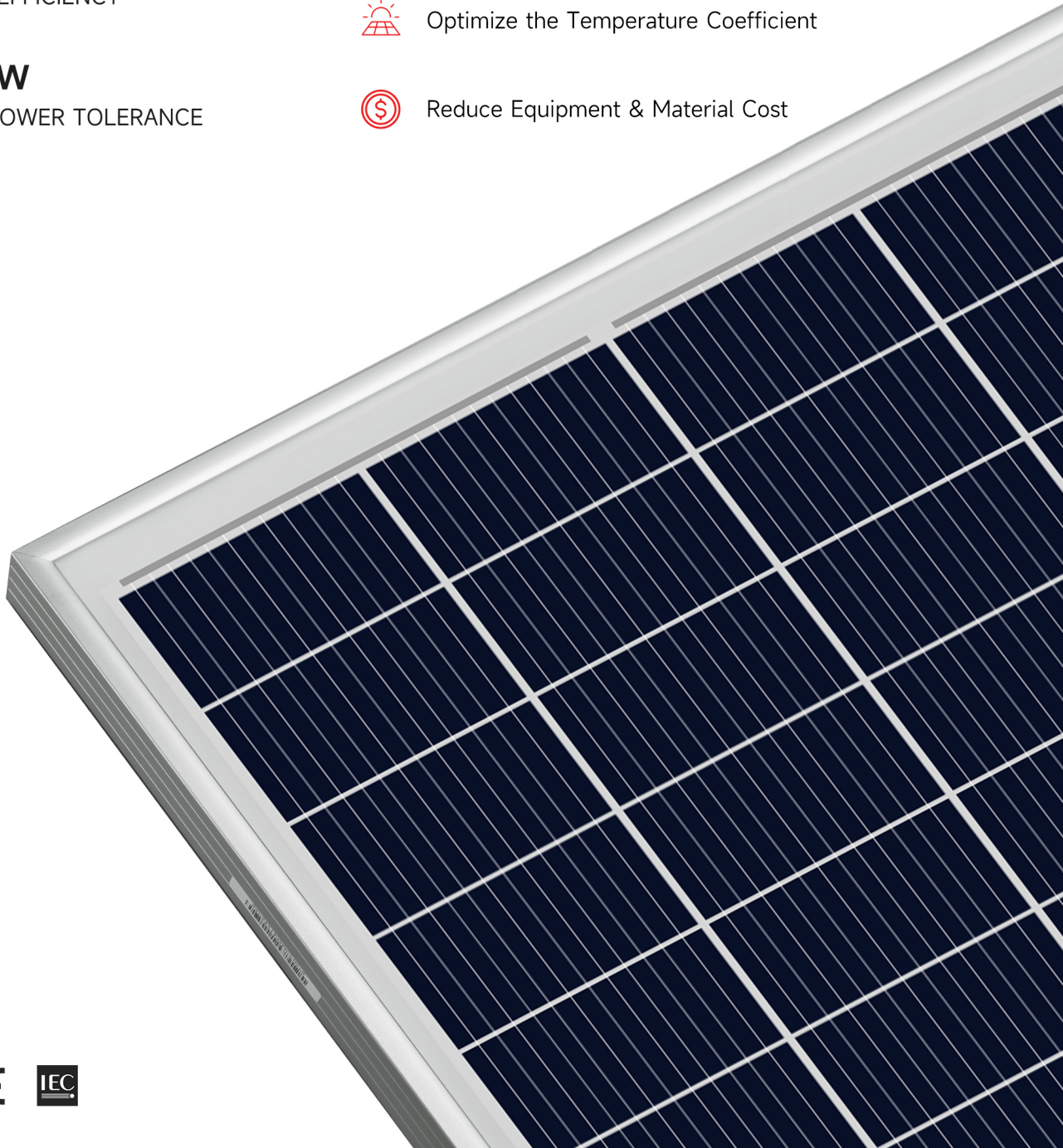
For Environment For Future



Optimize the Temperature Coefficient



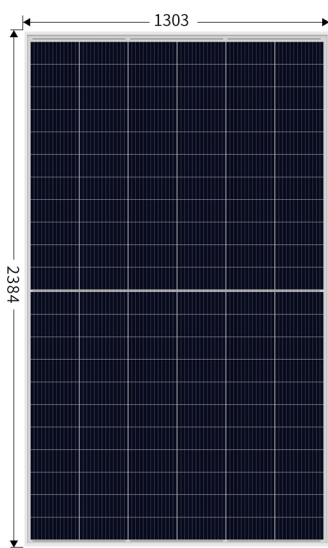
Reduce Equipment & Material Cost



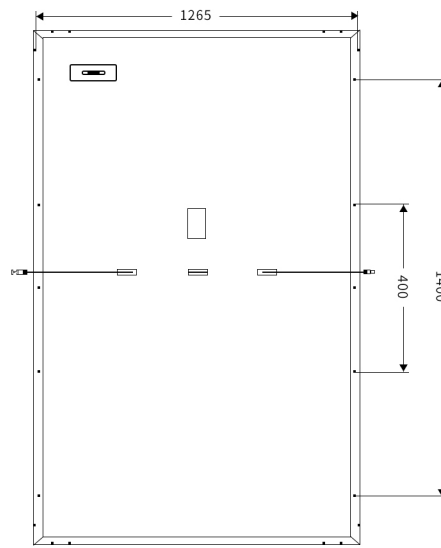
| Module Type | | PW-66M670HG12 | | PW-66M680HG12 | | PW-66M690HG12 | | PW-66M700HG12 | |
|-----------------------|--------------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Test Environment | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power | $P_{MAX}(W)$ | 670 | 508 | 680 | 515 | 690 | 522 | 700 | 530 |
| Maximum Power Voltage | $V_{MPP}(V)$ | 38.20 | 35.60 | 38.6 | 36.00 | 39.00 | 36.40 | 39.40 | 36.80 |
| Maximum Power Current | $I_{MPP}(A)$ | 17.55 | 14.26 | 17.62 | 14.31 | 17.70 | 13.34 | 17.77 | 14.40 |
| Open Circuit Voltage | $V_{OC}(V)$ | 46.10 | 43.40 | 46.50 | 43.80 | 46.90 | 44.20 | 47.40 | 44.60 |
| Short Circuit Current | $I_{SC}(A)$ | 18.62 | 15.01 | 18.67 | 15.06 | 18.72 | 15.11 | 18.77 | 15.16 |
| Tolerance | (W) | 0 - +5 | | 0 - +5 | | 0 - +5 | | 0 - +5 | |
| Module Efficiency | (%) | 21.6 | | 21.9 | | 22.2 | | 22.5 | |

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 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



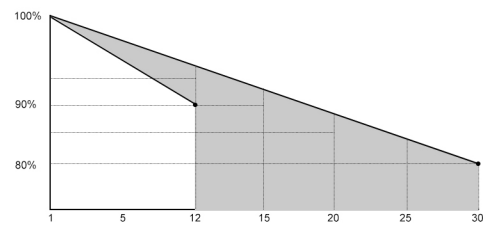
FRONT VIEW



BACK VIEW

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



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 RATING

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

MECHANICAL DATA

| | |
|-------------------|--|
| Solar Cells | MBB 210x105mm(Mono-Crystalline Silicon) |
| Cell Orientation | 132 Cells (6x22) |
| Module Dimensions | 2384 x 1303 x 35mm |
| Weight | 33.6KG |
| Glass | 3.2mm (0.13inches), High Transmission, AR Coated Heat Strengthened Glass |
| Backsheet | White |
| Frame | 35mm Anodized Aluminium Alloy |
| J-Box | IP 68 Rated |
| Cables | Photovoltaic Technology Cable 4.0mm ² |
| Connector | MC4EV02/TSA* |

PACKAGING CONFIGURATION Modules per Box: 31 Pieces Modules per 40' Container: 558 Pieces

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