

M6 HALF CELL MONO **460W-480W**

144 CELL

M6 MBB MONO TOPCON

22.1%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



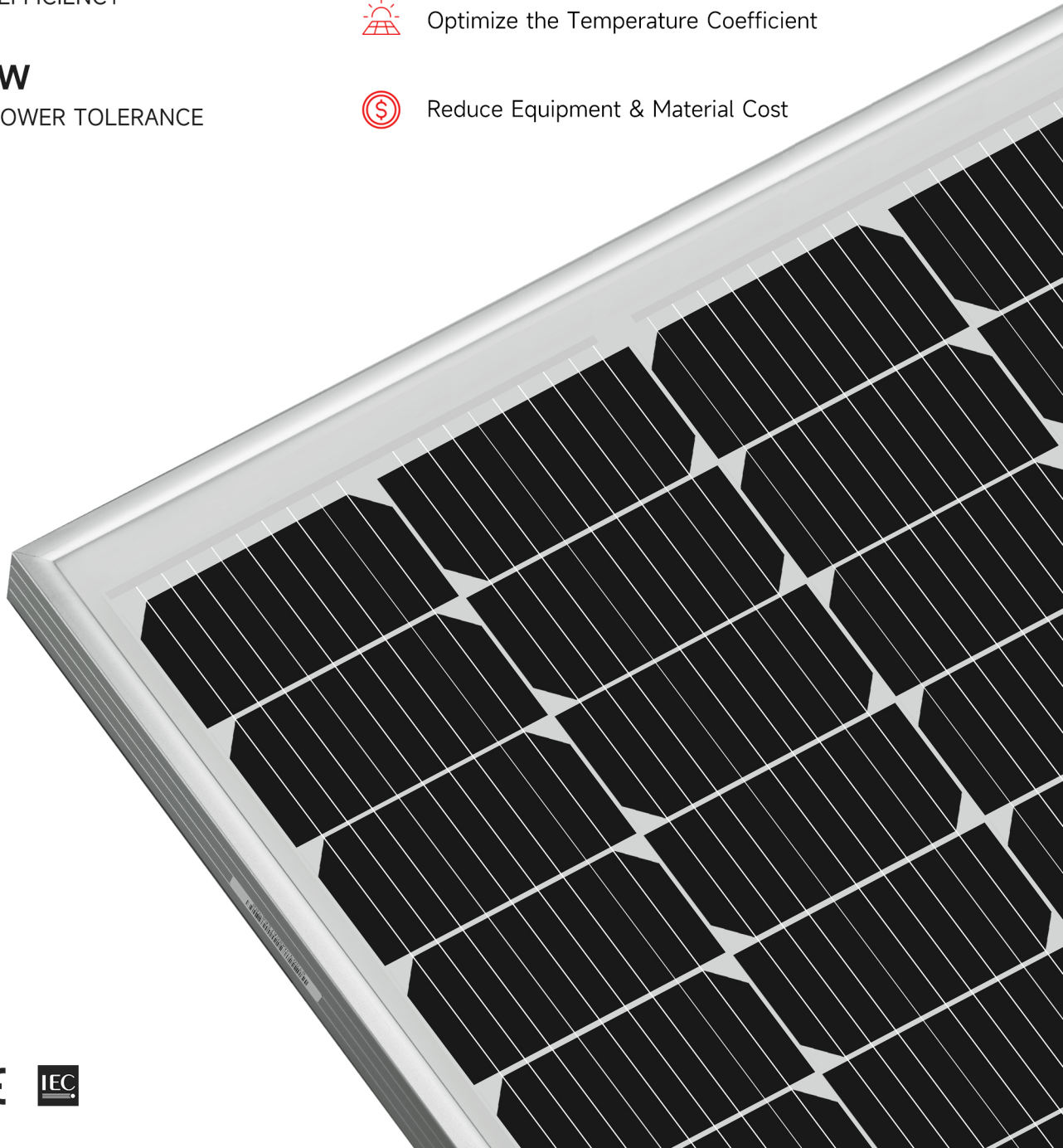
For Environment For Future



Optimize the Temperature Coefficient



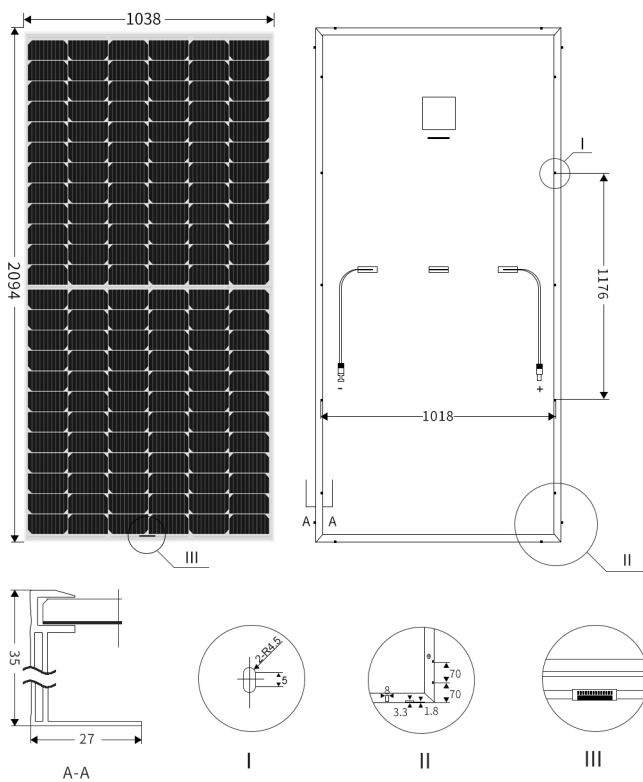
Reduce Equipment & Material Cost



| Module Type | | PW-72M460HM6 | | PW-72M465HM6 | | PW-72M470HM6 | | PW-72M475HM6 | | PW-72M480HM6 | |
|-----------------------|--------------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
| | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Test Environment | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power | $P_{MAX}(W)$ | 460 | 340.4 | 465 | 344.1 | 470 | 347.8 | 475 | 351.5 | 480 | 355.2 |
| Maximum Power Voltage | $V_{MPP}(V)$ | 41.59 | 38.39 | 41.79 | 38.57 | 41.99 | 38.76 | 42.19 | 38.94 | 42.39 | 39.12 |
| Maximum Power Current | $I_{MPP}(A)$ | 11.06 | 8.86 | 11.13 | 8.92 | 11.19 | 8.97 | 11.26 | 9.03 | 11.32 | 9.07 |
| Open Circuit Voltage | $V_{oc}(V)$ | 50.32 | 46.8 | 50.57 | 47.03 | 50.81 | 47.25 | 51.04 | 47.47 | 51.29 | 47.70 |
| Short Circuit Current | $I_{sc}(A)$ | 11.67 | 9.35 | 11.74 | 9.41 | 11.81 | 9.46 | 11.88 | 9.53 | 11.94 | 9.57 |
| Tolerance | (W) | 0 - +5 | | 0 - +5 | | 0 - +5 | | 0 - +5 | | 0 - +5 | |
| Module Efficiency | (%) | 21.2 | | 21.4 | | 21.6 | | 21.9 | | 22.1 | |

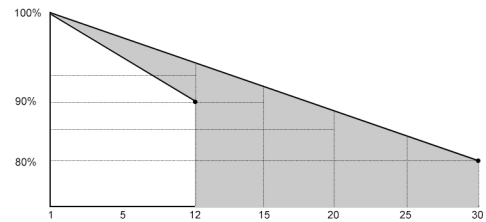
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

🏠 12 Year Product Warranty 🕒 30 Year Linear Power Warranty



TEMPERATURE RATINGS

| | |
|------------------------------------------|------------|
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |
| Temperature Coefficient of P_{MAX} | -0.36%/°C |
| Temperature Coefficient of V_{oc} | -0.28%/°C |
| Temperature Coefficient of I_{sc} | +0.048%/°C |

MAXIMUM RATING

| | |
|-------------------------|--------------|
| Operational Temperature | -40 to +85°C |
| Maximum System Voltage | 1500V DC |
| Max Series Fuse Rating | 20A |
| Mechanical Load | 5400pa |
| Wind Load | 2400pa |

MECHANICAL DATA

| | |
|-------------------|------------------------------------------------------------------------------------|
| Solar Cells | MBB Mono TOPCON 166 x 83mm |
| Cell Orientation | 144 Cells (6 x 24) |
| Module Dimensions | 2094 x 1038 x 35mm |
| Weight | 23.5kg |
| Glass | High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm |
| Backsheet | White |
| Frame | Silver Anodized Aluminium Alloy (Black Available) |
| J-Box | IP 68 Rated |
| Cables | Photovoltaic Technology Cable 4.0mm ² , 350mm |
| Connector | MC4 Compatible |

PACKAGING CONFIGURATION Modules per Box: 31 Pieces Modules per 40' Container: 726 Pieces

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