



THE MOST DEPENDABLE SOLAR BRAND

EAGLE 78TR G4

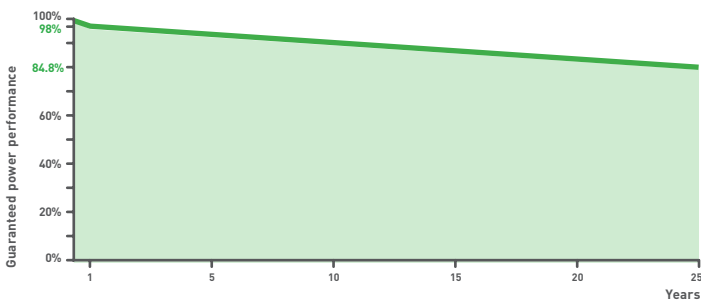
455-475 WATT
TILING RIBBON MONO PERC MODULE

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Best-selling panel globally for last 4 years
- Top performance in the strictest 3rd party labs
- 99.9% on-time delivery
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar panel factories in USA and Malaysia

LINEAR PERFORMANCE WARRANTY

25-Year Performance Warranty



KEY FEATURES



TR Technology

TR technology eliminates cell gaps to increase module efficiency and power



9BB Half Cell Technology

Uniquely designed 9 busbar half cut solar cells deliver ultra-high power in a small footprint



Designed for Long Life

Uses the same DuPont protective film as the Space Station, Mars Lander, and jetliners



Shade Tolerant

Twin array design allows continued performance even with shading by trees or debris



Protected Against All Environments

Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow

Nomenclature:
JKM475M-7RL3-V
Type Cell Size
78TR 163.75mm

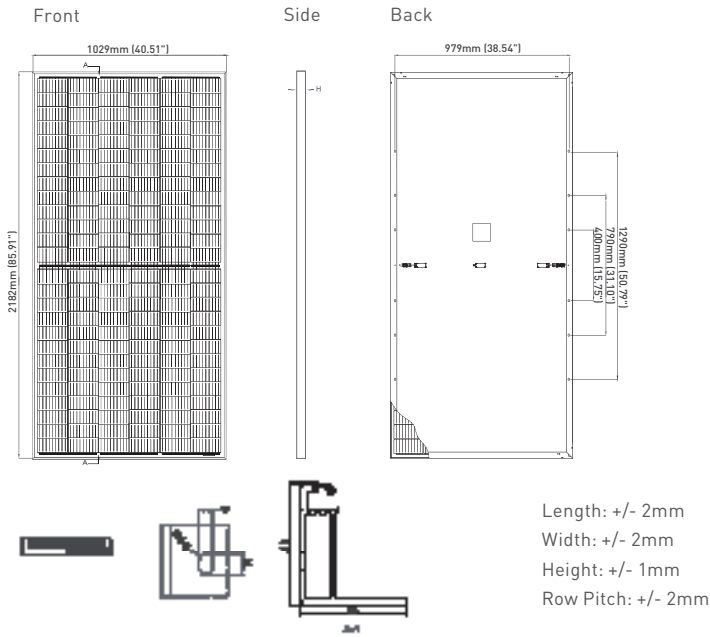


- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products

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ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

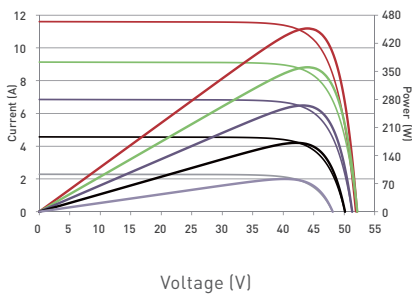
| | |
|-----------------|---|
| Cells | Monocrystalline Cell |
| No. of Cells | 156 (2x78) |
| Dimensions | 2182x1029x40mm (85.91x 40.51x1.57in) |
| Weight | 26.1kg (57.54lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP67 Rated |
| Output Cables | 12AWG, 1400mm (55.12in) or Customized Length |
| Fire Type | Type 1 |
| Pressure Rating | 5400Pa (Snow) & 2400Pa (Wind) |

TEMPERATURE CHARACTERISTICS

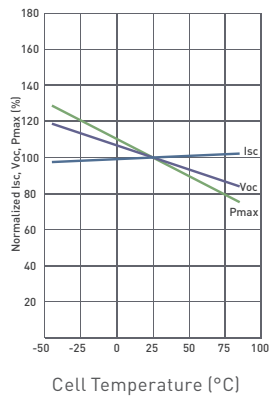
| | |
|---|-----------|
| Temperature Coefficients of Pmax | -0.35%/°C |
| Temperature Coefficients of Voc | -0.28%/°C |
| Temperature Coefficients of Isc | 0.048%/°C |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (475W)



Temperature Dependence of Isc, Voc, Pmax



MAXIMUM RATINGS

| | |
|----------------------------|--------------------|
| Operating Temperature (°C) | -40°C~+85°C |
| Maximum System Voltage | 1500V (UL and IEC) |
| Maximum Series Fuse Rating | 20A |

PACKAGING CONFIGURATION

| |
|---|
| [Two pallets = One stack] |
| 27pcs/pallets, 54pcs/stack, 540pcs/40' HQ Container |

ELECTRICAL CHARACTERISTICS

| Module Type | JKM455M-7RL3-V | | JKM460M-7RL3-V | | JKM465M-7RL3-V | | JKM470M-7RL3-V | | JKM475M-7RL3-V | |
|-----------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
| | STC | NOCT | SCT | NOCT | SCT | NOCT | SCT | NOCT | SCT | NOCT |
| Maximum Power (Pmax) | 455Wp | 339Wp | 460Wp | 342Wp | 465Wp | 346Wp | 470Wp | 350Wp | 475Wp | 353Wp |
| Maximum Power Voltage (Vmp) | 42.97V | 39.32V | 43.08V | 39.43V | 43.18V | 39.58V | 43.28V | 39.69V | 43.38V | 39.75V |
| Maximum Power Current (Imp) | 10.59A | 8.61A | 10.68A | 8.68A | 10.77A | 8.74A | 10.86A | 8.81A | 10.95A | 8.89A |
| Open-circuit Voltage (Voc) | 51.60V | 48.70V | 51.70V | 48.80V | 51.92V | 49.01V | 52.14V | 49.21V | 52.24V | 49.31V |
| Short-circuit Current (Isc) | 11.41A | 9.22A | 11.50A | 9.29A | 11.59A | 9.36A | 11.68A | 9.43A | 11.77A | 9.51A |
| Module Efficiency STC (%) | 20.26% | | 20.49% | | 20.71% | | 20.93% | | 21.16% | |

*STC: ☀ Irradiance 1000W/m²

NOCT: ☀ Irradiance 800W/m²

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

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🌀 Wind Speed 1m/s

*Power measurement tolerance: ±3%

The company reserves the final right to explain any of the information presented. JKM455-475M-7RL3-V-A2-US

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