



THE MOST DEPENDABLE SOLAR BRAND

EAGLE 78TR G4

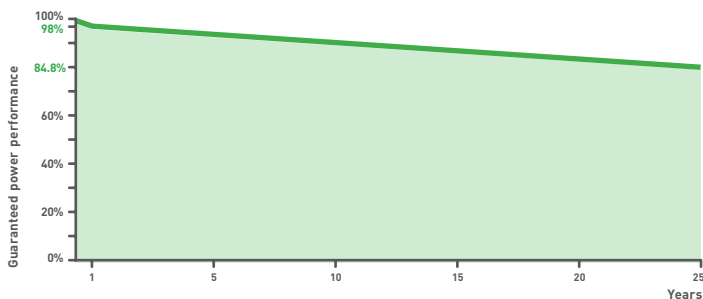
455-475 WATT TILING RIBBON MODULE

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
- 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



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

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



Thick and Tough

Engineered with 40mm frame, 3.2mm front side glass, and Type 1 backsheet for added durability.



Shade Tolerant

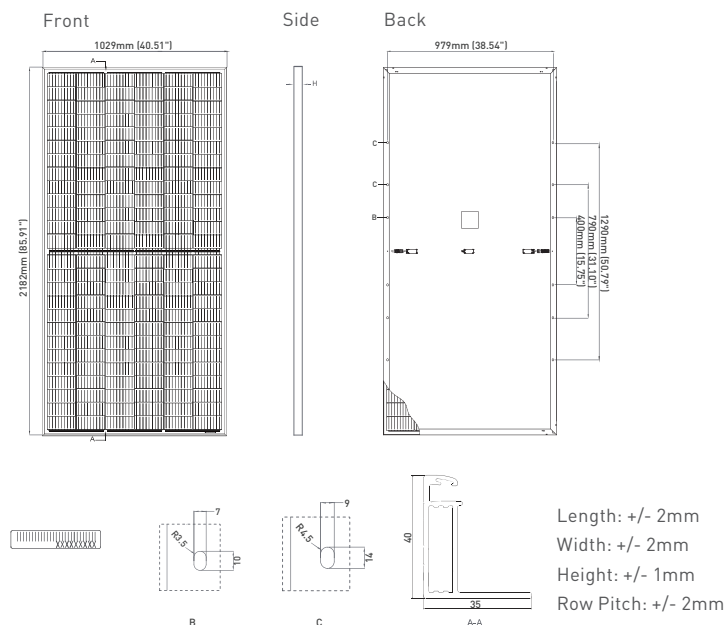
Twin array design allows continued performance even with shading by trees or debris



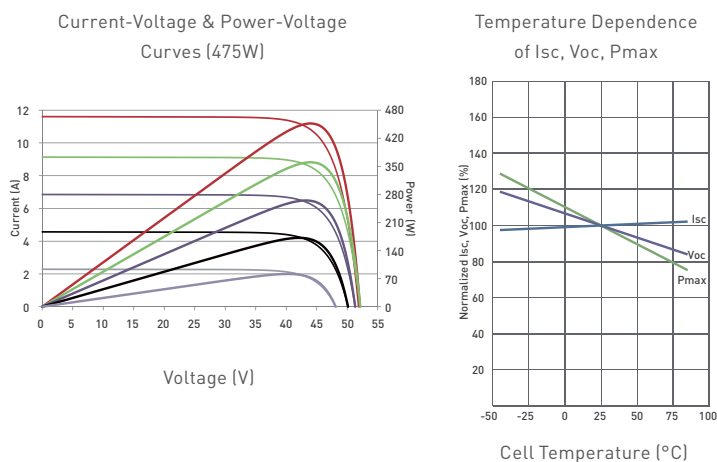
Protected Against All Environments

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

ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

No. of Cells	156 (2x78)
Dimensions	2182x1029x40mm (85.91x40.51x1.57in)
Weight	26.1kg (57.54lbs)
Front Glass	3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12AWG, 1400mm (55.12in) or Customized Length
Fire Type	Type 1
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)
Hailstone Test	45mm Hailstones at 29m/s

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of P_{max}	-0.35%/°C
Temperature Coefficients of V_{oc}	-0.28%/°C
Temperature Coefficients of I_{sc}	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

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	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	455Wp	339Wp	460Wp	342Wp	465Wp	346Wp	470Wp	350Wp	475Wp	353Wp
Maximum Power Voltage (V_{mp})	42.97V	39.32V	43.08V	39.43V	43.18V	39.58V	43.28V	39.69V	43.38V	39.75V
Maximum Power Current (I_{mp})	10.59A	8.61A	10.68A	8.68A	10.77A	8.74A	10.86A	8.81A	10.95A	8.89A
Open-circuit Voltage (V_{oc})	51.60V	48.70V	51.70V	48.80V	51.92V	49.01V	52.14V	49.21V	52.24V	49.31V
Short-circuit Current (I_{sc})	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-A3-US

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