

Rinnai



JK Series

450-470W Full Black Solar Panel

Features and Benefits

Designed for Australian Conditions

The Rinnai JK series is designed to deliver dependable solar performance for modern Australian homes. Featuring advanced N-type half-cell technology and a durable dual-glass construction, it provides strong power output, consistent efficiency and long-term durability. The compact, lightweight format makes installation straightforward, while the refined black frame design ensures an attractive fit for a wide range of residential rooftops.



Built for Australian Conditions

Cyclone-tested for high-wind regions and engineered with advanced hail resistance to withstand 45 mm hailstones at 110 km/h. Finished with a Level 8 Salt Mist rating for long-term durability in coastal environments.



N-Type Technology

Next-generation cell technology delivers higher efficiency, strong low-light performance and reliable output in Australia's sunny climate.



Dual-Glass Strength

A robust 2.0 mm dual-glass design increases durability and moisture resistance, supporting consistent long-term performance in humid and coastal areas.



Positive Power Output

Every panel is guaranteed to meet or exceed its rated capacity, providing dependable real-world energy production.



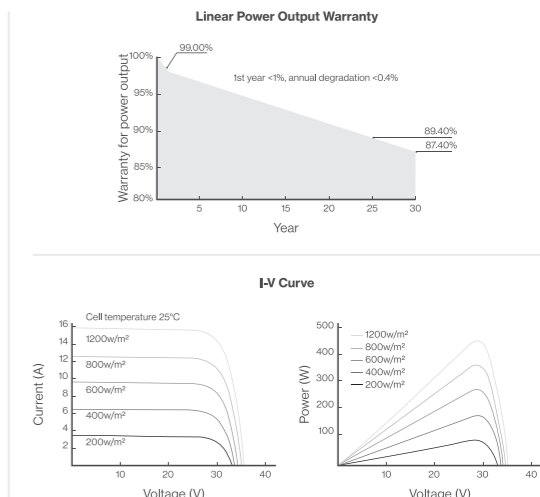
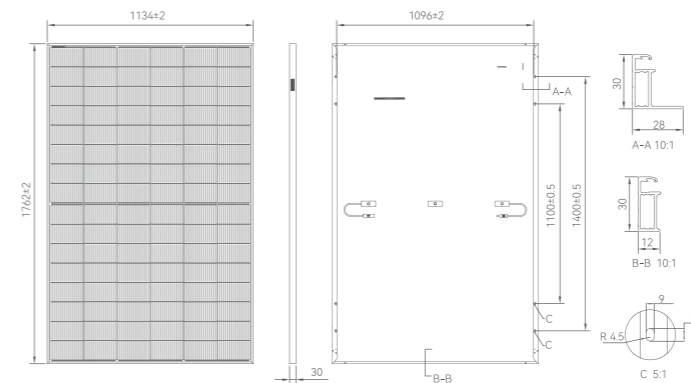
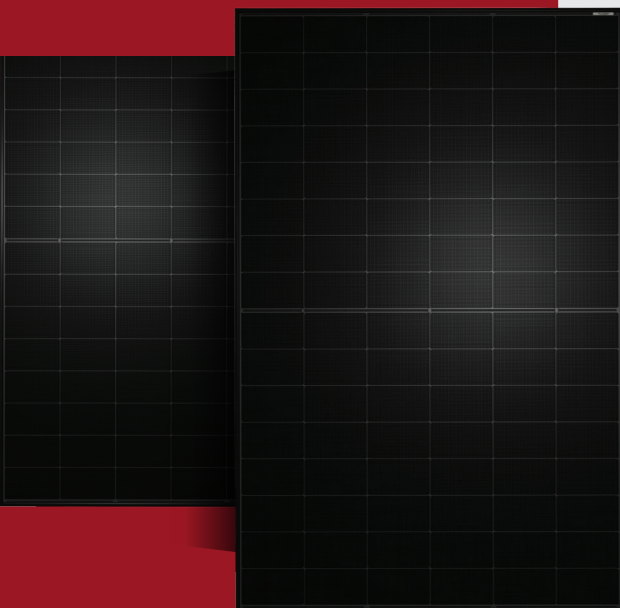
Long-Term Assurance

Backed by a 25-year product warranty and a 30-year performance warranty for lasting confidence and efficiency.

Technical Information

RINNAI - Module type		RINNAI-JK-BLK-450	RINNAI-JK-BLK-455	RINNAI-JK-BLK-460	RINNAI-JK-BLK-465	RINNAI-JK-BLK-470	
Electrical Characters (STC) ^(A)	Maximum Power	Pmax (W)	450	455	460	465	470
	Open Circuit Voltage	Voc (V)	35.95	36.10	36.25	36.40	36.55
	Short Circuit Current	Isc (A)	15.81	15.85	15.89	15.92	15.95
	Voltage at Maximum Power	Vmp (V)	29.81	30.06	30.31	30.56	30.80
	Current at Maximum Power	Imp (A)	15.1	15.14	15.18	15.22	15.26
	Module Efficiency	(%)	22.52	22.77	23.02	23.27	23.52
Temperature Rating	Temperature Coefficient	Pmax (%/°C)					-0.28
	Temperature Coefficient	Voc (%/°C)					-0.24
	Temperature Coefficient	Isc (%/°C)					0.046
Operating Parameters	Operating Temperature	°C					-40~+70
	Maximum System Voltage						1500V DC
	Maximum Series Fuse Rating	A					30
	Power Selection Tolerance	%					0~+3
	Fire Class Rating	-					Class C
	Tas	-					70°C
Mechanical Parameters	Cell Type	-					N Type Monocrystalline Cell
	Cell Orientation	-					96 (6x16)
	Dimension (L x W x H)	mm					1762±2 x 1134±2 x 30
	Weight	kg					22.8
	Front Glass	-					2.0mm AR Coated semi tempered glass
	Rear Glass	-					2.0mm semi tempered glass
	Frame	-					Anodised aluminium alloy black frame
	Junction Box	-					IP68, 3 Diodes
	Cable	mm ²					4
	Cable Length	mm					1200
	Connector	-					Stäubli - PV-KS(B)T4-EVO2A/xy
	Test Load	Pa					-2400 / +5400
	Per Pallet	-					36 Pieces
Packaging	-					936 Pieces per 40' HC	

^(A)STC: Irradiance 1000W/m², Cell Temperature 25 °C, Air Mass 1.5, Power Measurement Tolerance: ±3%, Voc and Isc Measurement Tolerance: ±5%.



Statement: With technical progress and product updates, there exists a deviation between technical parameter of Rinnai's future products and the technical parameter in this specification. Rinnai reserves the right to adjust the technical parameter at any time without notifying the customers. Rinnai reserves the final right of interpretation. Made in China

Rinnai Australia Pty Ltd

ABN 74 005 138 769

100 Atlantic Drive,
Keysborough, Victoria 3173

For further information
call 1300 555 545 or visit
rinnai.com.au

TOTAL HOME COMFORT



HOT WATER



HEATING



COOLING

Rinnai