

Rinnai

SK Series

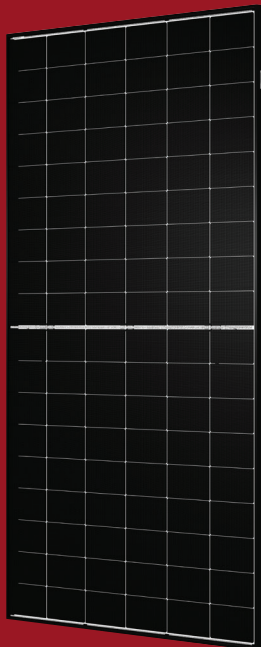
495-515W Solar Panel



Features and Benefits

Designed for Australian Conditions

The Rinnai SK series is engineered for powerful, high-efficiency generation, using N-type bifacial technology to capture light from both sides of the module. This advanced design delivers exceptional total energy yield, lowering system LCOE and improving long-term project value. Built with strengthened dual-glass construction and certified for high wind and snow loads, the SK series is suited to a wide range of Australian residential and commercial applications where performance and durability are essential.



YEAR PRODUCT

25

WARRANTY

YEAR PERFORMANCE

30

WARRANTY



Built for Australian Conditions
Designed to withstand extreme wind and hail conditions, with rigorous cyclone and impact testing. Built with enhanced Salt Mist protection for lasting performance near coastal areas.



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



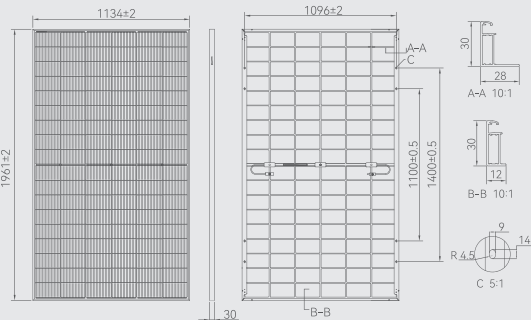
Dual-Glass Strength
A robust 2.0 mm dual-glass design increases durability and moisture resistance, supporting consistent long-term performance in humid and coastal areas.



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



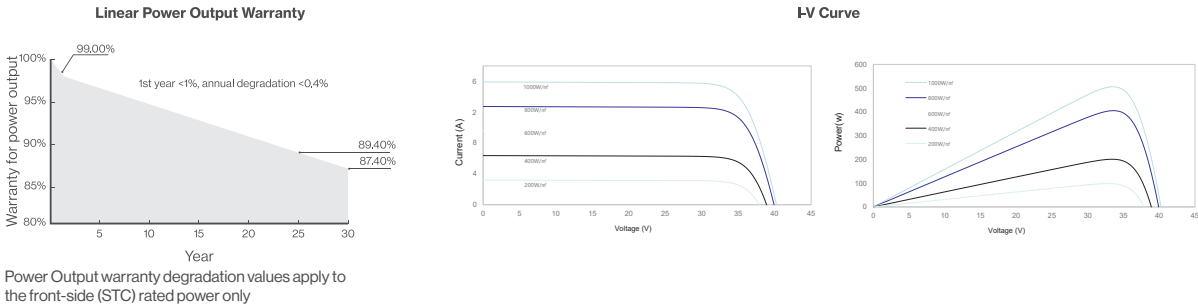
Long-Term Assurance
Backed by a 25-year product warranty and a 30-year performance warranty for lasting confidence and efficiency.



Technical Information

RINNAI - Module type			RINNAI-SK-495	RINNAI-SK-500	RINNAI-SK-505	RINNAI-SK-510	RINNAI-SK-515	
Electrical Characters (STC) ^(A)	Maximum Power		Pmax (W)	495	500	505	510	515
	Open Circuit Voltage		Voc (V)	39.88	40.06	40.24	40.42	40.60
	Short Circuit Current		Isc (A)	15.86	15.89	15.92	15.95	15.98
	Voltage at Maximum Power		Vmp (V)	33.45	33.70	33.94	34.19	34.43
	Current at Maximum Power		Imp (A)	14.80	14.84	14.88	14.92	14.96
	Module Efficiency		(%)	22.26	22.48	22.71	22.93	23.16
Electrical Characters (BNPI) ^(B)	Maximum Power		Pmax (W)	546.6	552.0	557.6	563.1	568.8
	Open Circuit Voltage		Voc (V)	39.88	40.06	40.24	40.42	40.60
	Short Circuit Current		Isc (A)	17.51	17.54	17.57	17.61	17.64
	Voltage at Maximum Power		Vmp (V)	33.45	33.70	33.94	34.19	34.43
	Current at Maximum Power		Imp (A)	16.34	16.38	16.43	16.47	16.52
Electrical Characters (BSI) ^(C)	Short Circuit Current		Isc(A)	19.52	19.56	19.60	19.63	19.67
Electrical Characters with Different Rear Power Gain	5%	Maximum Power	Pmax (W)	519	525	530	535	540
		Module Efficiency	(%)	23.34	23.61	23.83	24.06	24.28
	15%	Maximum Power	Pmax (W)	569	575	580	586	592
		Module Efficiency	(%)	25.59	25.86	26.08	26.35	26.62
	25%	Maximum Power	Pmax (W)	618	625	631	637	643
		Module Efficiency	(%)	27.79	28.11	28.38	28.64	28.91
Temperature Rating	Temperature Coefficient		Pmax (%/°C)	-0.28				
	Temperature Coefficient		Voc (%/°C)	-0.24				
	Temperature Coefficient		Isc (%/°C)	0.046				
	NMOT		°C	45±2				
Operating Parameters	Operating Temperature		°C	-40~+70				
	Maximum System Voltage			1500V DC				
	Maximum Series Fuse Rating		A	30				
	Power Selection Tolerance		%	0~+3				
	Bifaciality coefficient of Pmax		%	80±5				
	Bifaciality coefficient of Voc		%	98±5				
	Bifaciality coefficient of Isc		%	80±5				
	Fire Class Rating		-	Class C				
	T ₉₈		-	70°C				
	Mechanical Parameters	Cell Type		-	N Type Monocrystalline Cell			
Cell Orientation		-	108 (6x18)					
Dimension (L × W × H)		mm	1961±2 x 1134±2 x 30					
Weight		kg	27					
Front Glass		-	2.0mm AR Coated heat strengthened glass					
Rear Glass		-	2.0mm heat strengthened 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		-	864 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%. ^(B)BNPI: Front Side Irradiance 1000W/m², Back Side Irradiance 135W/m², Cell Temperature 25 °C, Air Mass 1.5, Power Measurement Tolerance: ±3%, Voc and Isc Measurement Tolerance: ±5%. ^(C)BSI Test condition: front irradiance 1000 W/m², rear irradiance 300 W/m²



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

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TOTAL HOME COMFORT



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HEATING



COOLING

Rinnai