

HY-DH96N11-XXX Monofacial

470-475W

23.8%

N-Type

96 Pieces

Max. Efficiency

Monofacial & Dual Glass

Half-Cell



Leading Technology

Based on n-type cell and 210R technology platform; Advanced design and manufacturing process; Industry leading reliability and efficiency of mass production



High Power

Bifacial higher power output, lower temperature coefficient and better low light performance



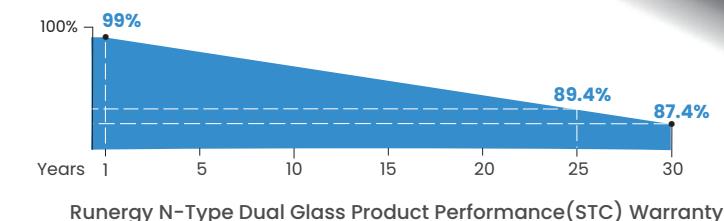
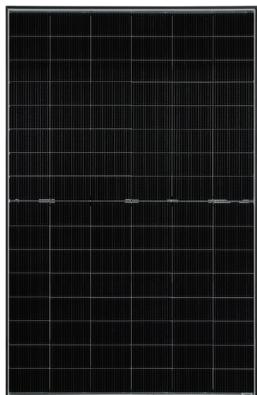
Long-term Reliability

5400Pa snow load, 2400Pa wind load, and 35mm hail-resistant with 27.2m/s strike



Stringent Quality Control

Durable product structure; Stringent quality control system; Guaranteed after-sales service to ensure long-term reliability



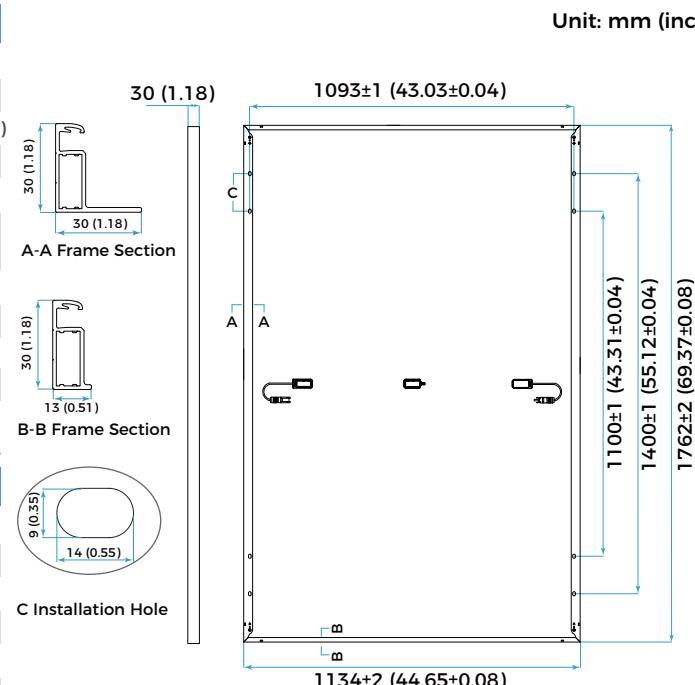
Runergy N-Type Dual Glass Product Performance (STC) Warranty

• 1st year degradation <1%, annual degradation <0.4%

25* 25*-year product warranty

30 30-year linear power (STC) warranty

Mechanical Parameters	
Solar Cell	Mono N-Type 182*210mm
No. of Cells	96 (6 x 16)
Dimensions	1762 x 1134 x 30mm (69.37 x 44.65 x 1.18in)
Weight	25kg (55.12lbs)
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm ² (IEC), 12 AWG (UL) ±1200mm (47.24in.) or customized
Connector	PV-KST4-EVO2A/xy,PV KBT4-EVO2A/xy (Staubli) or PV-KST4-EVO 2/xy_UR,PV KBT4-EVO 2/xy_UR (Staubli)
Front Cover	2.0mm AR coated heat-strengthened glass
Back Cover	2.0mm heat-strengthened glass
Frame	Black-anodized aluminum
Container	36 pcs/pallet, 936 pcs/40' HQ (Global)



Operating Parameters	
Max. System Voltage	DC 1500V (IEC/UL)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Max. Fuse Rating	35A
Front Max. Loading	+5400Pa (+112lb/ft ²)
Back Max. Loading	-2400Pa (-50lb/ft ²)
Temperature rating	T98 th 70°C
Fire Resistance	IEC Class A/ UL type 29

Electrical Characteristics - STC		Irradiance 1000 W/m ² , cell temperature 25 °C, AM-1.5, Tolerances: Pmax:±3%, Voc:±3%, Isc:±4%	
Maximum Power at STC (Pmax/W)	475	470	
Power Tolerance (W)	0 ~ +5		
Optimum Operating Voltage (Vmp/V)	30.09	29.96	
Optimum Operating Current (Imp/A)	15.79	15.69	
Open Circuit Voltage (Voc/V)	35.91	35.78	
Short Circuit Current (Isc/A)	16.47	16.39	
Module Efficiency	23.8%	23.5%	

Electrical Characteristics - NMOT		Irradiance 800W/m ² , ambient temperature 20°C, AM1.5, windspeed 1m/s, Tolerances: Pmax:±3%, Voc:±3%, Isc:±4%	
Maximum Power at NMOT (Pmax/W)	363.9	360.0	
Optimum Operating Voltage (Vmp/V)	28.81	28.69	
Optimum Operating Current (Imp/A)	12.63	12.55	
Open Circuit Voltage (Voc/V)	34.38	34.26	
Short Circuit Current (Isc/A)	13.28	13.21	

Warranty		
Product Workmanship Warranty	25* Years	
Linear Power Output Warranty	30 Years	
First Year Degradation	1%	
Annual Power Degradation	0.4%	

Temperature Characteristics		
Nominal Module Operating Temperature	42 ± 2 °C	
Nominal Cell Operating Temperature	45 ± 2 °C	
Temperature Coefficient of Pmax	-0.29%/°C	
Temperature Coefficient of Voc	-0.25%/°C	
Temperature Coefficient of Isc	0.045%/ °C	

*The product with 25-year limited product warranty is only available for rooftop installation within Australia with a maximum capacity of 200KW

