

HY-DH108N11-XXX **Monofacial** 525-530W

23.8%

Max. Efficiency

N-Type

Monofacial & Dual Glass

108 Pieces

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; Significantly enhanced power output and lower LCOE



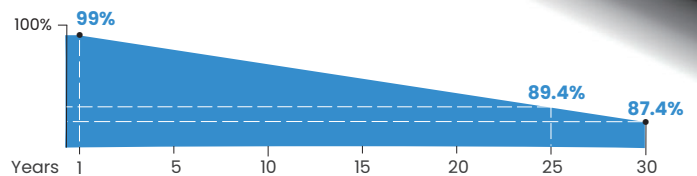
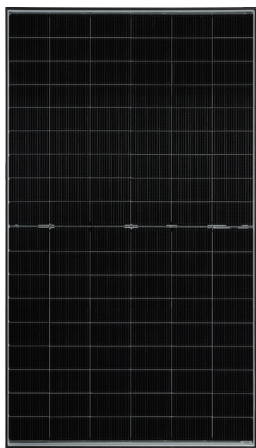
Long-term Reliability

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%



12-year product warranty



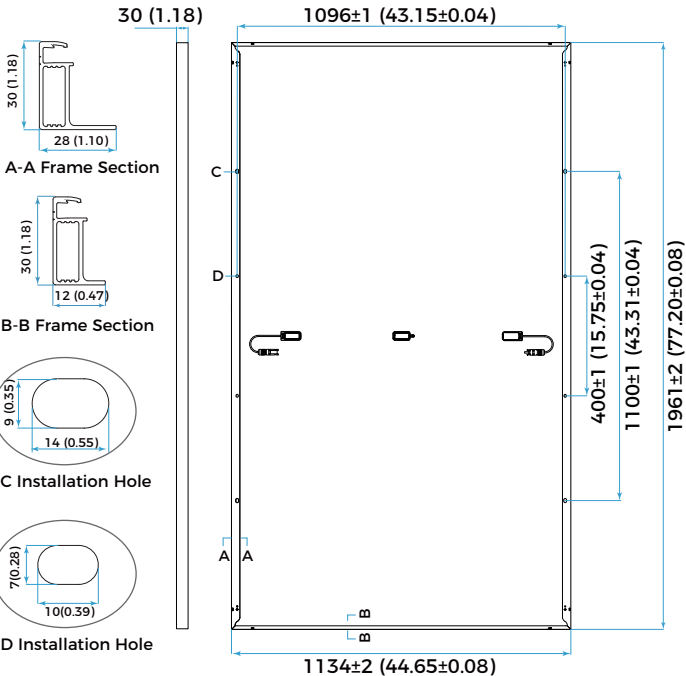
30-year linear power (STC) warranty

Mechanical Parameters

Solar Cell	Mono N-Type 182*210mm
No. of Cells	108 (6 × 18)
Dimensions	1961 × 1134 × 30mm (77.20x 44.65 x 1.18in)
Weight	27.5kg (60.6lbs)
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm² (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, 864 pcs/40' HQ (Global)

Operating Parameters

Max. System Voltage	DC 1500V (IEC/UL)
Operating Temperature	-40℃ ~ +70℃ (-40°F ~ +158°F)
Max. Fuse Rating	35A
Front Max. Loading	+5400Pa (+112lb/ft²)
Back Max. Loading	-2400Pa (-50lb/ft²)
Temperature rating	T98 th 70℃
Fire Resistance	IEC Class A/ UL type 29



Electrical Characteristics - STC

Irradiance 1000 W/m², cell temperature 25 °C, AM-1.5, Tolerances: Pmax:±3%,Voc:±3%,Isc:±4%

Maximum Power at STC (Pmax/W)	530	525
Power Tolerance (W)	0 ~ +5	
Optimum Operating Voltage (Vmp/V)	34.47	34.27
Optimum Operating Current (Imp/A)	15.38	15.32
Open Circuit Voltage (Voc/V)	41.47	41.27
Short Circuit Current (Isc/A)	16.10	16.06
Module Efficiency	23.8%	23.6%

Electrical Characteristics - NMOT

Irradiance 800W/m², ambient temperature 20 °C, AM1.5, wind speed 1 m/s, Tolerances: Pmax:±3%,Voc:±3%,Isc:±4%

Maximum Power at NMOT (Pmax/W)	406.0	402.1
Optimum Operating Voltage (Vmp/V)	33.01	32.81
Optimum Operating Current (Imp/A)	12.30	12.25
Open Circuit Voltage (Voc/V)	39.71	39.52
Short Circuit Current (Isc/A)	12.98	12.95

Warranty

Product Workmanship Warranty	12 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

