



■ N-Type Solar Module

KEY FEATURES



Excellent performance in low-light environments



High quality junction box and connector systems



100% inspection, to guarantee the reliability of solar systems



Lower temperature



Anti PID



Enhanced safety by excellent fire resistance



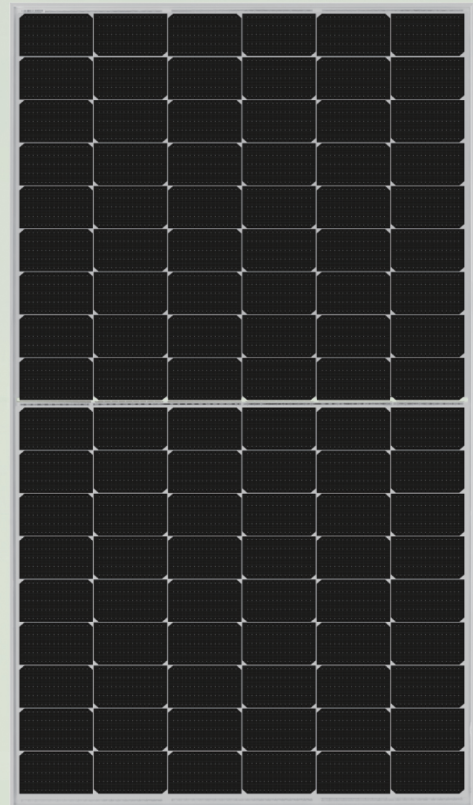
Perfect for sandy, snowy and high latitude regions



Lower operating temperature, more reliable



Cutcell, Less internal power loss, Less mismatch loss



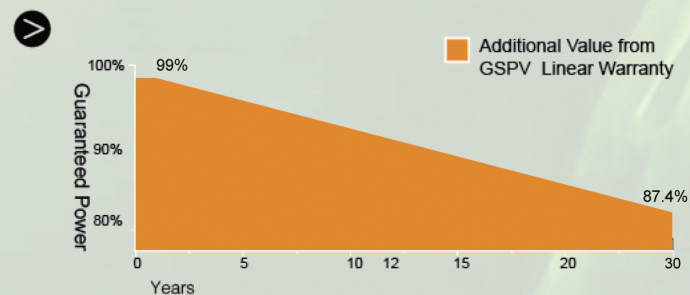
GSPV-M10/108H-430W-450W 430~450 Watt

➤ 182mm 108 Cells PV Solar Module

BLACK *BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

➤

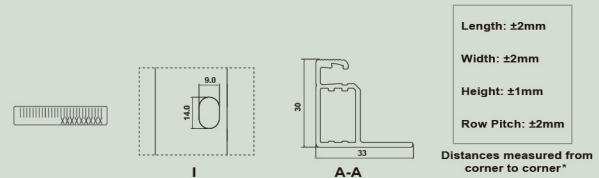
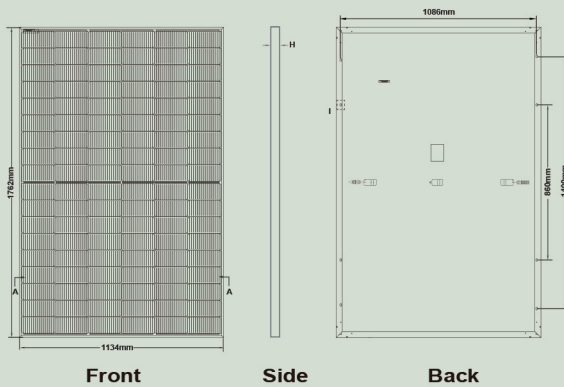
15 Years Product Workmanship Warranty	30 Years Power Warranty	0.40 % Annual Power Attenuation	CPIC
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IEC61215
IEC61730
UL61215
UL61730



DIMENSIONS OF PV MODULE(mm)



*For detailed sizes and tolerance specification, please consult detailed module drawing

SPECIFICATIONS

Module Type	GSPV-M10/108H-430W		GSPV-M10/108H-435W		GSPV-M10/108H-440W		GSPV-M10/108H-445W		GSPV-M10/108H-450W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp	450Wp	338Wp
Maximum Power Voltage (Vmp)	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V	33.02V	30.76V	33.21V	30.90V
Maximum Power Current (Imp)	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A	13.48V	10.89A	13.55A	10.94A
Open-circuit Voltage (Voc)	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V	39.59V	37.61V	39.78V	37.79V
Short-circuit Current (Isc)	13.73A	11.09A	13.80A	11.14A	13.86A	11.19A	13.93A	11.25A	14.00A	11.30A
Module Efficiency STC (%)	21.52%		21.77%		22.02%		22.27%		22.52%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%
 NOCT: Irradiance at 800w/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Cell Type	N type Mono-crystalline
No. of cells	108 (6×18)
Dimensions	1762×1134×30mm (69.36×44.65×1.18 inch)
Weight	21 kg (46.30 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

PACKAGING

(Two pallets = One stack)
 36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

