



## ■ 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



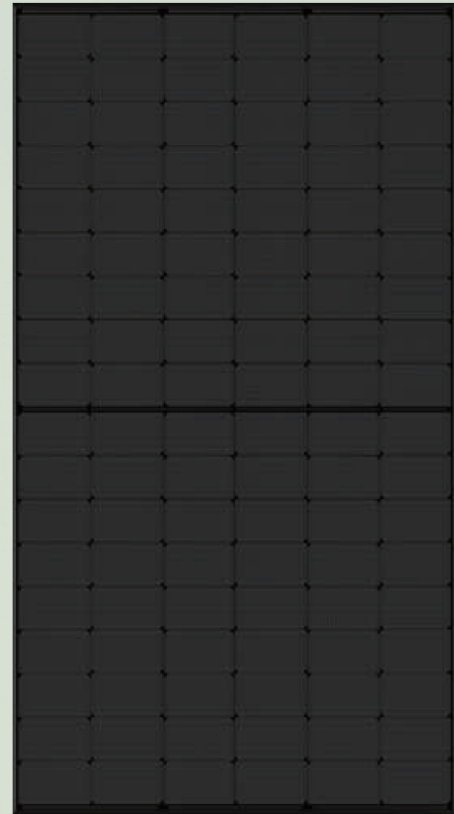
Perfect for sandy, snowy and high latitude regions



Lower operating temperature, more reliable



Cutcell, Less internal power loss, Less mismatch loss



## GSPV-M10/108H-425W-445W 425~445 Watt

➤ 182mm 108 Cells PV Solar Module

**BLACK**

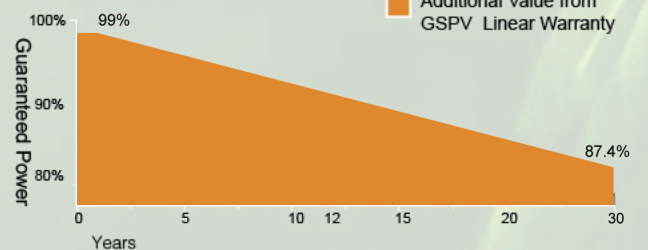
\*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



**25** Years  
Product Workmanship  
Warranty

**30** Years  
Power Warranty

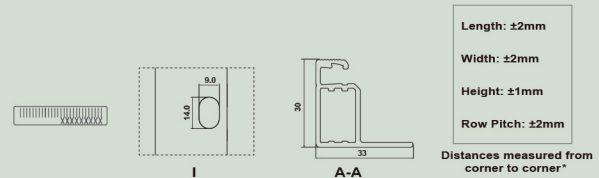
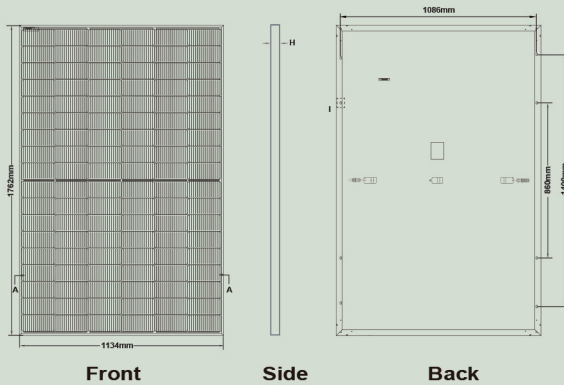
**0.40** %  
Annual Power Attenuation



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-425W		GSPV-M10/108H-430W		GSPV-M10/108H-435W		GSPV-M10/108H-440W		GSPV-M10/108H-445W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.37V	30.19V	32.58V	30.30V	32.78V	30.50V	32.99V	30.73V	33.19V	30.93V
Maximum Power Current (Imp)	13.13A	10.60A	13.20A	10.66A	13.27A	10.72A	13.34V	10.77A	13.41A	10.83A
Open-circuit Voltage (Voc)	38.95V	37.00V	39.16V	37.20V	39.36V	37.39V	39.57V	37.59V	39.77V	37.78V
Short-circuit Current (Isc)	13.58A	10.96A	13.65A	11.02A	13.72A	11.08A	13.80A	11.14A	13.87A	11.20A
Module Efficiency STC (%)	21.27%		21.52%		21.77%		22.02%		22.27%	
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/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5. \*Measuring tolerance: ±3%  
NOCT: Irradiance at 800w/m<sup>2</sup>, 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 <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length

## PACKAGING

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence

