



■ 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



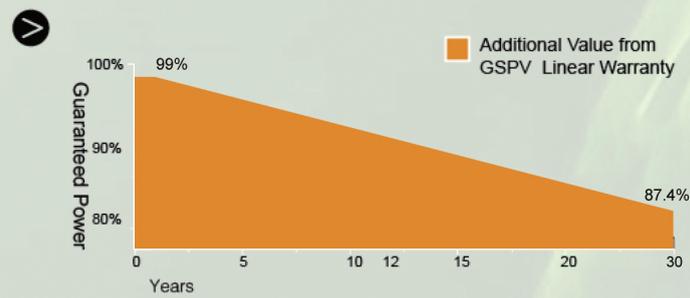
GSPV-M10/108H-430W-455W 430~455Watt

➤ 182mm 108 Cells PV Solar Module

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

➤

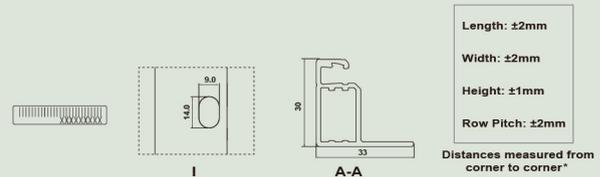
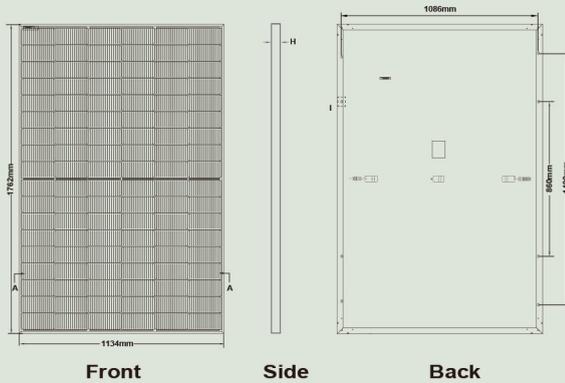
15 Years Product Workmanship Warranty	30 Years Power Warranty	0.40 % Annual Power Attenuation	
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IEC61215
IEC61730
UL61215
UL61730



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	GSPV-M10/108H-455W
	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax)	430	435	440	445	450	455
Maximum Power Voltage (Vmp)	32.58	32.78	32.99	33.19	33.39	33.58
Maximum Power Current (Imp)	13.20	13.27	13.34	13.41	13.48	13.55
Open-circuit Voltage (Voc)	39.16	39.36	39.57	39.77	39.97	40.17
Short-circuit Current (Isc)	13.65	13.72	13.80	13.87	13.94	14.01
Module Efficiency STC (%)	21.52	21.77	22.02	22.27	22.52	22.77
Operating Temperature(°C)	-40°C~+70°C					
Maximum system voltage	1000/1500VDC (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					

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.

MECHANICAL DATA

Cell Type	N type Mono-crystalline
No. of cells	108 (2×54)
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)

37pcs/pallets, 74pcs/stack, 962pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

