



■ 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



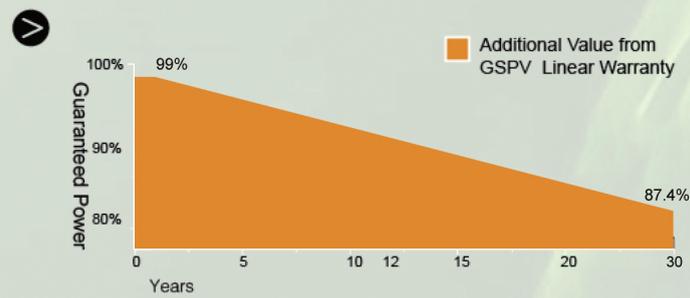
GSPV-M10/108H-495W-520W 495~520Watt

➤ 182mm 108 Cells PV Solar Module

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

➤

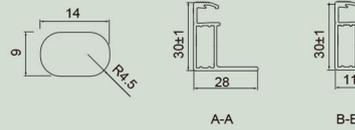
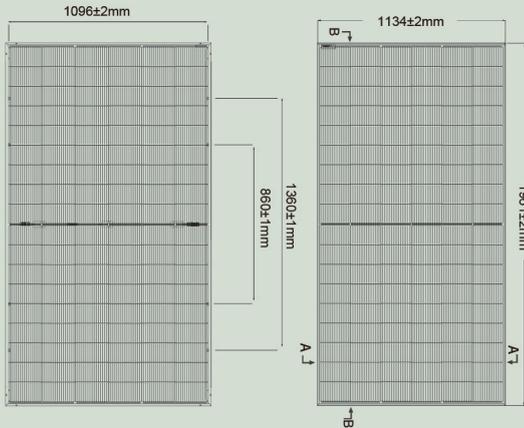
15 Years Product Workmanship Warranty	30 Years Power Warranty	0.40 % Annual Power Attenuation	
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IEC61215
IEC61730
UL61215
UL61730



DIMENSIONS OF PV MODULE(mm)



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

SPECIFICATIONS

Module Type	GSPV-M10/108H-495W		GSPV-M10/108H-500W		GSPV-M10/108H-505W		GSPV-M10/108H-510W		GSPV-M10/108H-515W		GSPV-M10/108H-520W	
	STC	BNPI										
Maximum Power (Pmax)	495	545	500	551	505	556	510	562	515	567	520	573
Maximum Power Voltage (Vmp)	33.72	33.72	33.95	33.95	34.17	34.17	34.39	34.39	34.62	34.62	34.83	34.83
Maximum Power Current (Imp)	14.68	16.16	14.73	16.22	14.78	16.27	14.83	16.33	14.88	16.38	14.93	16.44
Open-circuit Voltage (Voc)	40.21	40.21	40.38	40.38	40.55	40.55	40.72	40.72	40.89	40.89	41.06	41.06
Short-circuit Current (Isc)	15.58	17.15	15.63	17.21	15.68	17.26	15.73	17.32	15.78	17.37	15.83	17.43
Module Efficiency STC (%)	22.26		22.48		22.71		22.93		23.16		23.38	
Operating Temperature(°C)	-40°C~+70°C											
Maximum system voltage	1500VDC (IEC)											
Maximum series fuse rating	35A											
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											
Refer. Bifacial Factor	80±5%											

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 (2×54)
Dimensions	1961×1134×30mm (69.36×44.65×1.18 inch)
Weight	27 kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened 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, 888pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

