








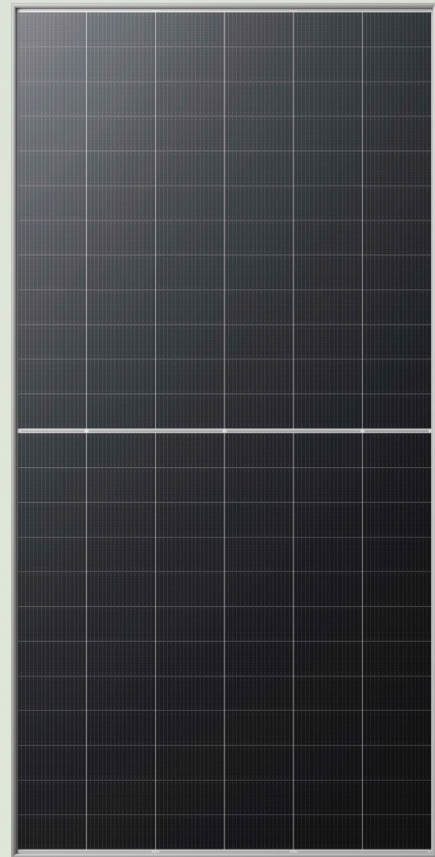




■ P-Type Solar Module

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



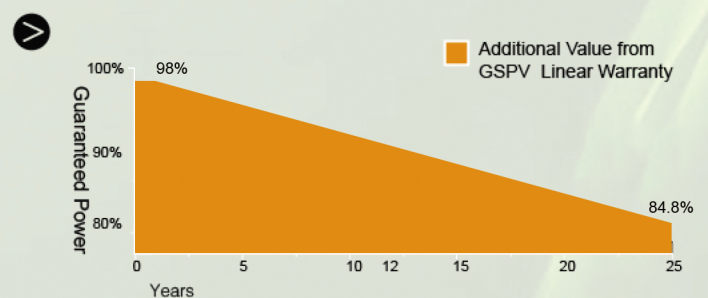
GSPV-M10/144H-550W-570W 550~570 Watt

➤ 182mm 144 Cells PV Solar Module

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

➤

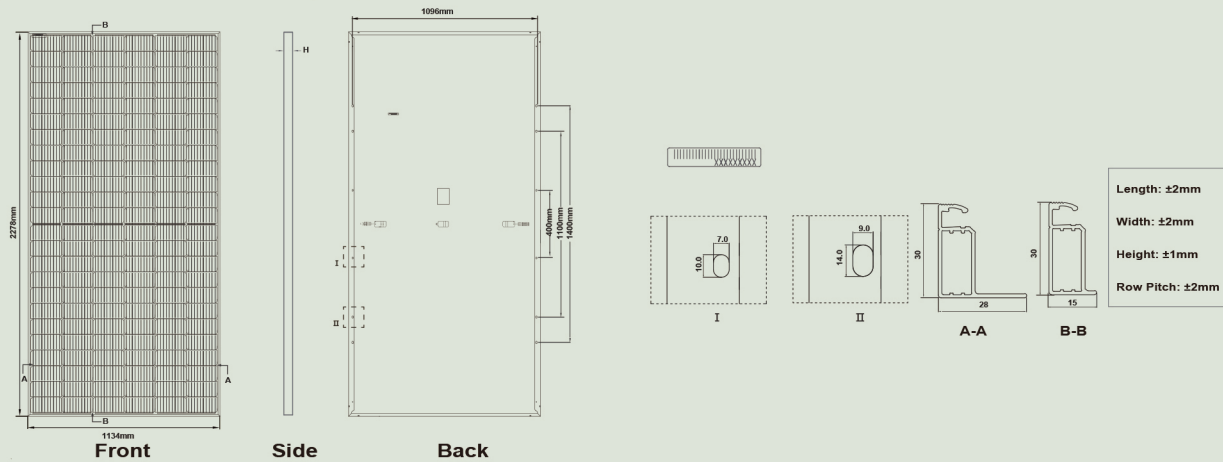
12 years	25 years	0.55%	
Product Warranty	Linear Power Warranty	Annual Degradation over 25 years	



IEC61215
IEC61730
UL61215
UL61730



DIMENSIONS OF PV MODULE(mm)



SPECIFICATIONS

Module Type	GSPV-M10/144H-550W		GSPV-M10/144H-555W		GSPV-M10/144H-560W		GSPV-M10/144H-565W		GSPV-M10/144H-570W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	550Wp	409Wp	555Wp	413Wp	560Wp	417Wp	565Wp	420Wp	570Wp	424Wp
Maximum Power Voltage (Vmp)	40.90V	38.42V	40.99V	38.59V	41.09V	38.69V	41.21V	38.74V	41.34V	38.84V
Maximum Power Current (Imp)	13.45A	10.65A	13.54A	10.70A	13.63A	10.77A	13.71V	10.85A	13.79A	10.92A
Open-circuit Voltage (Voc)	49.62V	46.84V	49.72V	46.93V	49.82V	47.02V	49.93V	47.13V	50.04V	47.23V
Short-circuit Current (Isc)	14.03A	11.33A	14.12A	11.40A	14.21A	11.48A	14.30A	11.55A	14.39A	11.62A
Module Efficiency STC (%)	21.29%		21.48%		21.68%		21.87%		22.07%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°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	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	27 kg (59.52 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, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

