








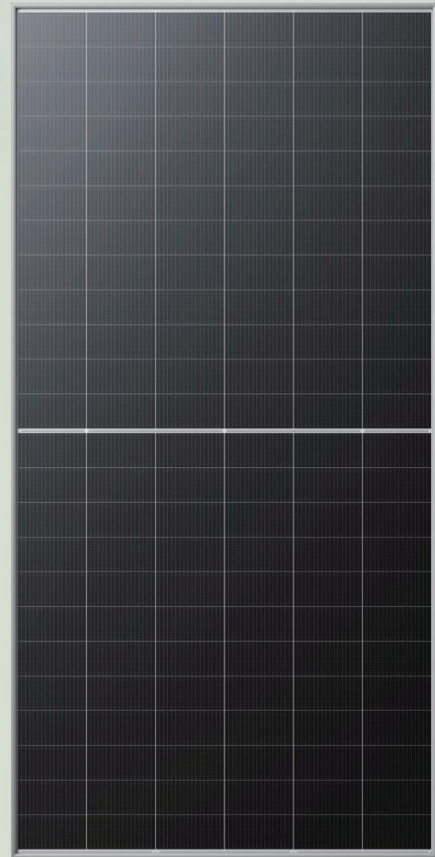





■ N-Type Solar Module

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

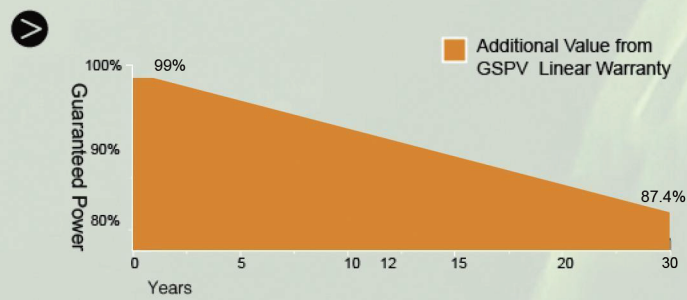


GSPV-M10/144H-570W-590W 570~590 Watt

-  182mm 144 Cells Topcon Mono Half Cell PV-Module Series

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

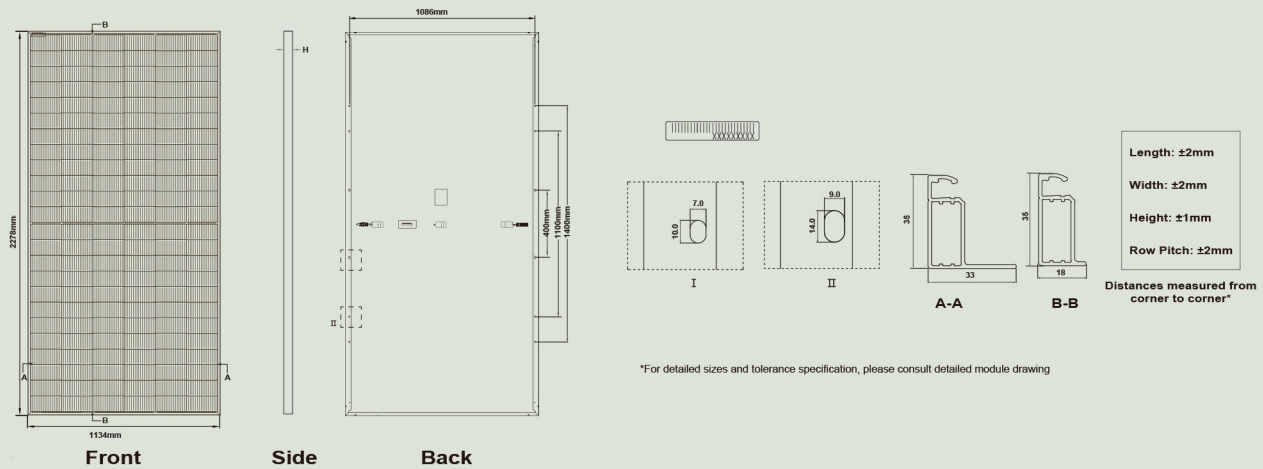
-  **12** years Product Warranty
- 30** years Linear Power Warranty
- 0.40%** Annual Degradation over 30 years
- 



IEC61215
IEC61730
UL61215
UL61730



DIMENSIONS OF PV MODULE(mm)



SPECIFICATIONS

Module Type	GSPV-M10/144H-570W		GSPV-M10/144H-575W		GSPV-M10/144H-580W		GSPV-M10/144H-585W		GSPV-M10/144H-590W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570Wp	430Wp	575Wp	433Wp	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp
Maximum Power Voltage (Vmp)	42.99V	40.37V	43.17V	40.54V	43.35V	40.70V	43.53V	40.86V	43.71V	41.05V
Maximum Power Current (Imp)	13.26A	10.64A	13.32A	10.69A	13.38A	10.74A	13.44V	10.79A	13.50A	10.83A
Open-circuit Voltage (Voc)	51.99V	39.51V	52.15V	39.63V	52.31V	39.76V	52.47V	39.88V	52.63V	40.00V
Short-circuit Current (Isc)	13.89A	11.21A	13.95A	11.26A	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A
Module Efficiency STC (%)	22.07%		22.26%		22.45%		22.65%		22.84%	
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	-0.29%/°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	144 (6×24)
Dimensions	2278×1134×35mm (89.69×44.65×1.38 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)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

