








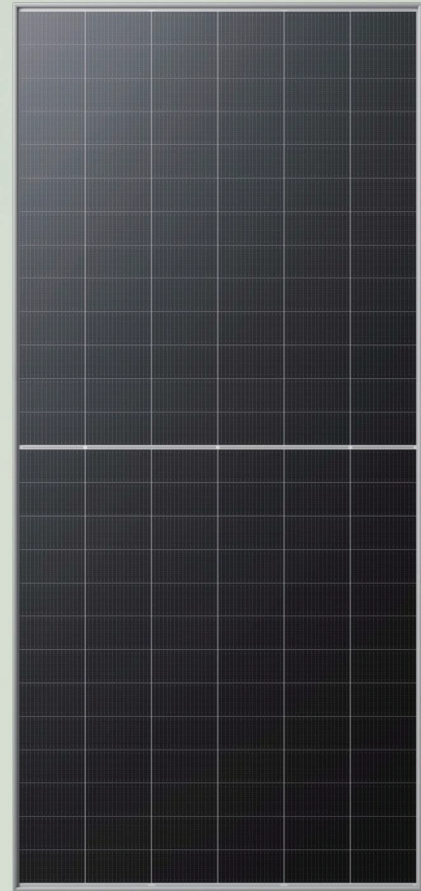




■ N-Type Solar Module

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

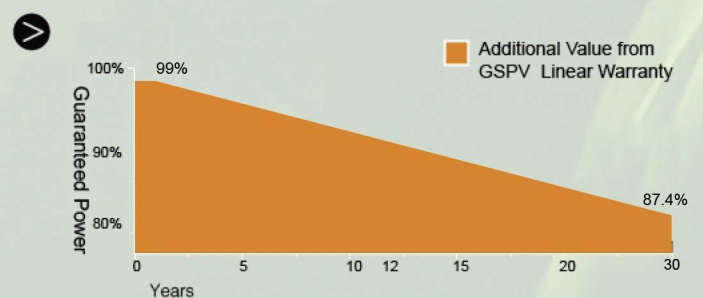


GSPV-M10/156H-615W-635W 615~635 Watt

- 182mm 156 Cells Topcon Mono Half Cell PV-Module Series

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

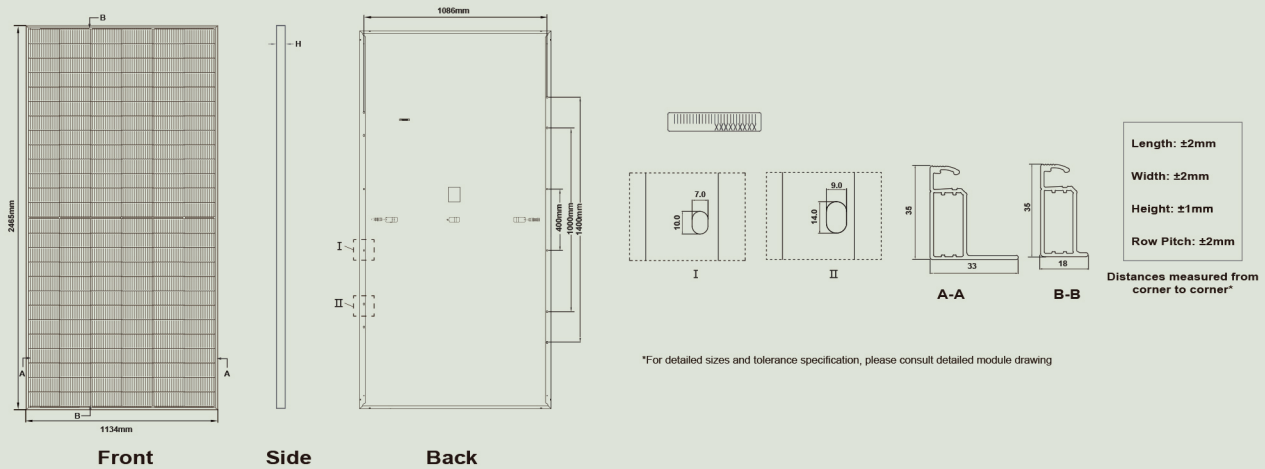
- **12** years Product Warranty
- 30** years Linear Power Warranty
- 0.40%** Annual Degradation over 30 years
- 



IEC61215
IEC61730
UL61215
UL61730



DIMENSIONS OF PV MODULE(mm)



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

SPECIFICATIONS

Module Type	GSPV-M10/156H-615W		GSPV-M10/156H-620W		GSPV-M10/156H-625W		GSPV-M10/156H-630W		GSPV-M10/156H-635W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	615Wp	463Wp	620Wp	467Wp	625Wp	471Wp	630Wp	475Wp	635Wp	479Wp
Maximum Power Voltage (Vmp)	46.81V	43.85V	46.97V	44.00V	47.14V	44.14V	47.30V	44.29V	47.46V	44.43V
Maximum Power Current (Imp)	13.14A	10.57A	13.20A	10.62A	13.26A	10.67A	13.32V	10.72A	13.38A	10.77A
Open-circuit Voltage (Voc)	56.25V	42.75V	56.40V	42.86V	56.55V	42.98V	56.70V	43.09V	56.85V	43.21V
Short-circuit Current (Isc)	13.80A	11.14A	13.86A	11.19A	13.92A	11.24A	13.98A	11.28A	14.04A	11.33A
Module Efficiency STC (%)	22.00%		22.18%		22.36%		22.54%		22.72%	
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	156 (2×78)
Dimensions	2465×1134×35mm (97.05×44.65×1.38 inch)
Weight	29.5 kg (65.04 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, 496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

