

EPOCH

G5N7S72T-585

MONO-FACIAL MODULE
N-Type

KEY FEATURES



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal).



LINEAR PERFORMANCE WARRANTY



IEC61215(2016) IEC61730(2016)

ISO9001:2015:

Quality Management System

ISO14001:2015:

Environment Management System

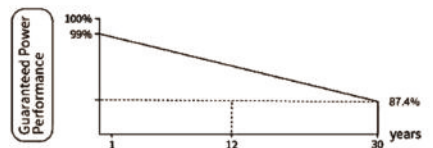
ISO45001:2018

Occupational health and safety management systems

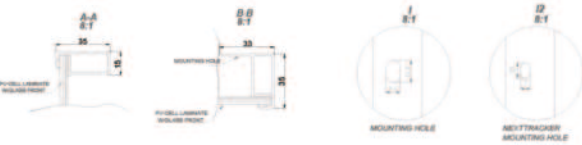
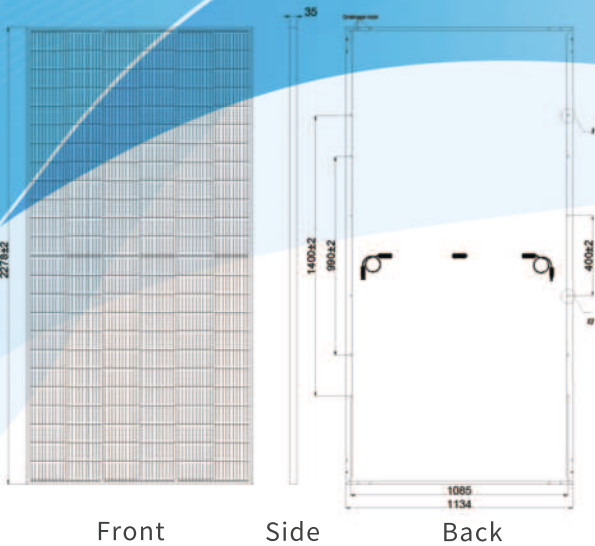
12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years



KEY FEATURES



*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

(Two pallets = One stack)

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

SPECIFICATIONS

Module Type	GSN7S72T-565		GSN7S72T-570		GSN7S72T-575		GSN7S72T-580		GSN7S72T-585	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	565Wp	425Wp	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp
Maximum Power Voltage (Vmp)	41.92V	39.38V	42.07V	39.51V	42.22V	39.60V	42.37V	39.69V	42.52V	39.81V
Maximum Power Current (Imp)	13.48A	10.79A	13.55A	10.85A	13.62A	10.92A	13.69A	10.99A	13.76A	11.05A
Open-circuit Voltage (Voc)	50.60V	48.06V	50.74V	48.20V	50.88V	48.33V	51.02V	48.46V	51.16V	48.60V
Short-circuit Current (Isc)	14.23A	11.49A	14.31A	11.55A	14.39A	11.62A	14.47A	11.68A	14.55A	11.75A
Module Efficiency STC (%)	21.87%		22.07%		22.26%		22.45%		22.65%	
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	-0.30%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m²

NOCT: ☀ Irradiance 800W/m²

🌡 Cell Temperature 25C

🌡 Ambient Temperature 20°C

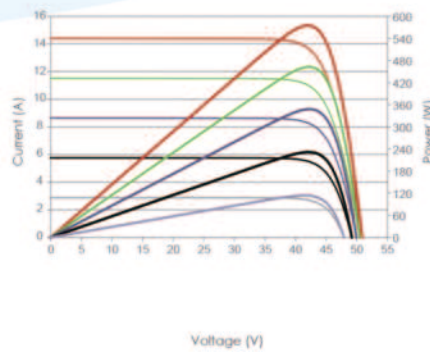
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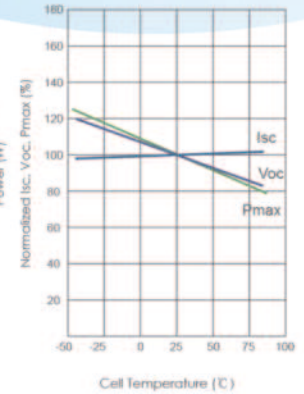
🌬 Wind Speed 1m/s

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (575W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (6X 24)
Dimensions	2278X1134X35mm(89.69X44.65X1.38inch)
Weight	28 kg (61.73 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	300mm in length or Customized Length

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