

EPOCH

G5N7578T-630

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

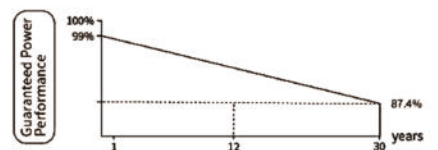
ISO14001:2015:
Environment Management System

ISO45001:2018
Occupational health and safety
management systems

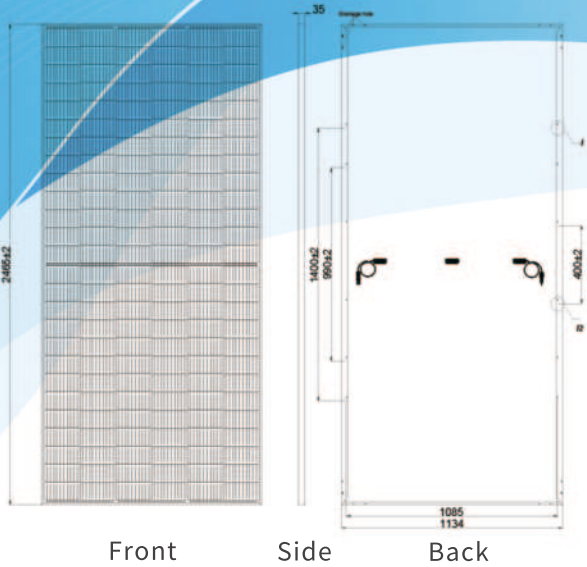
12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

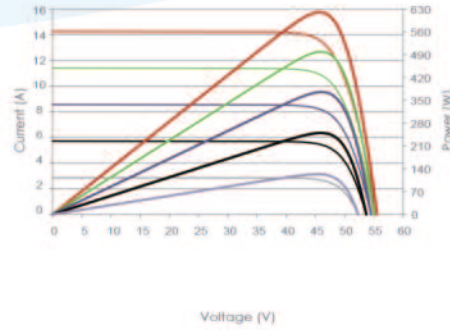


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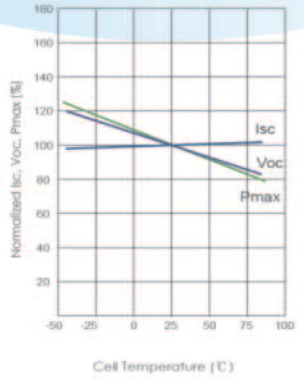


Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (620W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2 X 78)
Dimensions	2465X1134X35mm(97.05X44.65X1.38inch)
Weight	30.6 kg (67.46 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

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	GSN7S78T-610		GSN7S78T-615		GSN7S78T-620		GSN7S78T-625		GSN7S78T-630	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp	625Wp	470Wp	630Wp	474Wp
Maximum Power Voltage (Vmp)	45.59V	42.28V	45.69V	42.39V	45.79V	42.50V	45.92V	42.61V	46.02V	42.72V
Maximum Power Current (Imp)	13.38A	10.85A	13.46A	10.91A	13.54A	10.97A	13.61A	11.03A	13.69A	11.09A
Open-circuit Voltage (Voc)	55.25V	52.48V	55.40V	52.62V	55.55V	52.77V	55.70V	52.91V	55.85V	53.05V
Short-circuit Current (Isc)	14.11A	11.39A	14.18A	11.45A	14.25A	11.50A	14.32A	11.56A	14.39A	11.62A
Module Efficiency STC (%)	21.82%		22.00%		22.07%		22.36%		22.54%	
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									
Refer. Bifacial Factor	80±5%									

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

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