



GSN7S78T-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

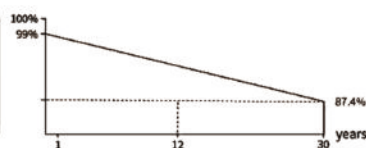
Occupational health and safety management systems

12 Year Product Warranty

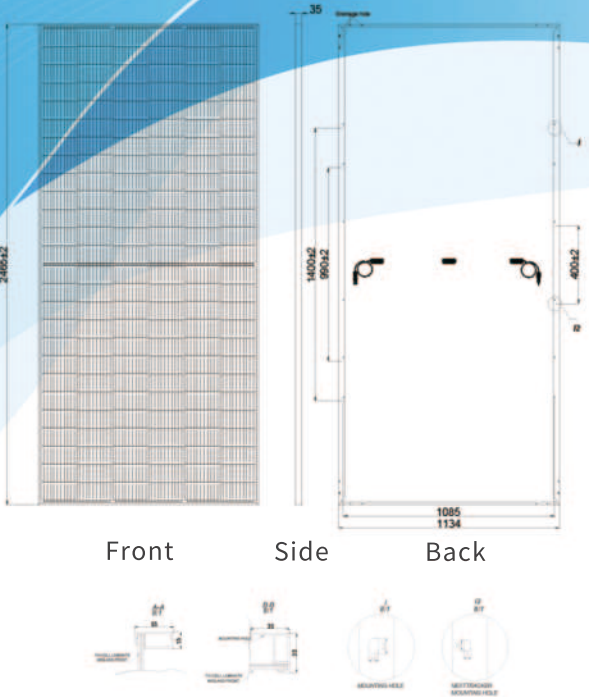
30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Guaranteed Power Performance



KEY FEATURES

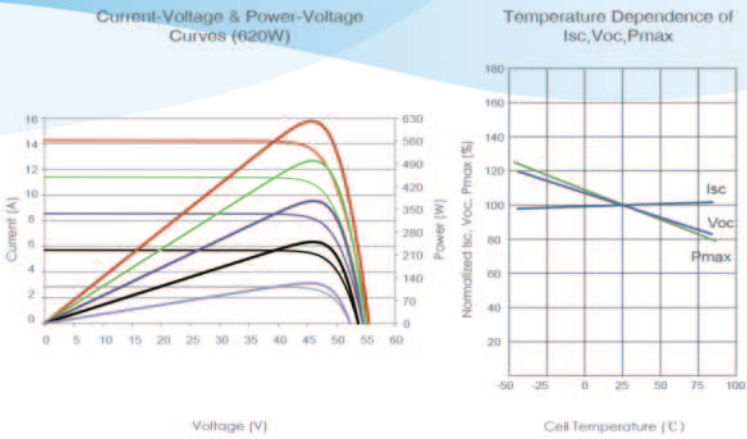


*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

(Two pallets = One stack)
31pcs/pallets,62pcs/stack,496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



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 CoatingHigh Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	300mm in legth or Customized Length

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/m

NOCT: ☀ Irradiance 800W/m 2

🌡 Cell Temperature 25C

🌡 Ambient Temperature 20°C

☁ AM=1.5

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🌀 Wind Speed 1m/s

The specification and key features described in this datasheet may deviates lightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, AG reserves the right to make any adjustment to the information described herein at anytime without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.