



G5N7S60T-480

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

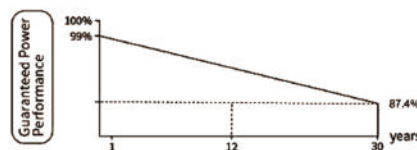
ISO45001:2018

Occupational health and safety management systems

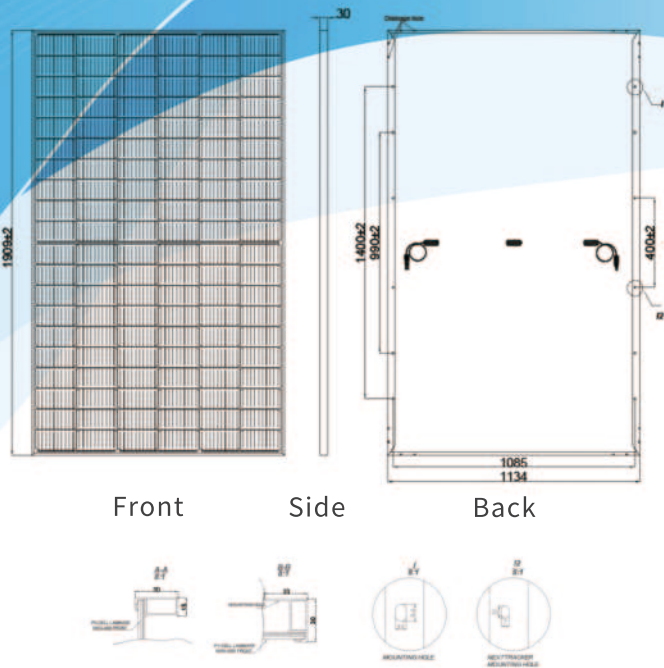
12 Year Product Warranty

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)
36pcs/pallets,72pcs/stack,864pcs/ 40'HQ Container

SPECIFICATIONS

| Module Type | GSN7S60T-460 | | GSN7S60T-465 | | GSN7S60T-470 | | GSN7S60T-475 | | GSN7S60T-480 | |
|---|-------------------|--------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power(Pmax) | 460Wp | 346Wp | 465Wp | 350Wp | 470Wp | 353Wp | 475Wp | 357Wp | 480Wp | 361Wp |
| Maximum Power Voltage (Vmp) | 34.72V | 32.60V | 34.89V | 32.77V | 35.05V | 32.94V | 35.21V | 33.10V | 35.38V | 33.27V |
| Maximum Power Current (Imp) | 13.25A | 10.61A | 13.33A | 10.67A | 13.41A | 10.73A | 13.49A | 10.79A | 13.57A | 10.85A |
| Open-circuit Voltage (Voc) | 42.05V | 39.94V | 42.22V | 40.10V | 42.38V | 40.25V | 42.54V | 40.41V | 42.71V | 40.57V |
| Short-circuit Current (Isc) | 13.99A | 11.29A | 14.07A | 11.36A | 14.15A | 11.42A | 14.23A | 11.49A | 14.31A | 11.55A |
| Module Efficiency STC (%) | 21.32% | | 21.55% | | 21.78% | | 22.01% | | 22.24% | |
| Operating Temperature(C) | -40℃~+85℃ | | | | | | | | | |
| Maximum system voltage | 1000/1500VDC(IEC) | | | | | | | | | |
| Maximum series fuse rating | 25A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.30%/℃ | | | | | | | | | |
| Temperature coefficients of Voc | -0.25%/℃ | | | | | | | | | |
| Temperature coefficients of Isc | 0.046%/℃ | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2℃ | | | | | | | | | |

*STC: Irradiance 1000W/m

NOCT: Irradiance 800W/m 2

Cell Temperature 25C

Ambient Temperature 20°C

AM=1.5

AM=1.5

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.