

# N-Type GSD7S72T [575-600W]

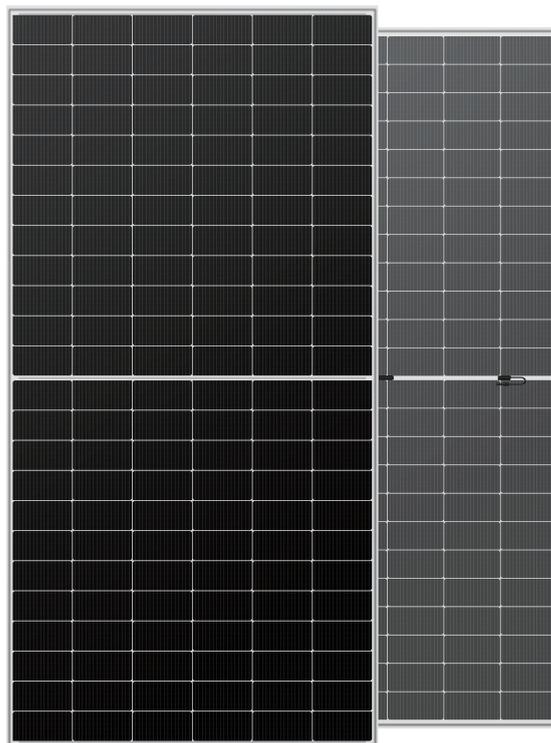
Bifacial Dual Glass Half-cut Mono TOPCon

IEC 61215 / IEC 61730 / UL 61730

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational Health And Safety Management System



## KEY FEATURES



### SMBB Technology

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



### Lower Attenuation

Modules have better reliability and lower LID/LETID attenuation



### Double Power Output

For higher power output, backside power output can be increased 5-25%



### Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



### PID Resistance

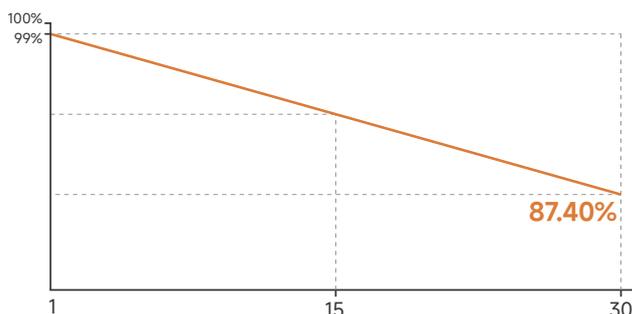
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

## Guaranteed Power Performance

**15** Years Product Warranty

**30** Years Linear Power Warranty

**0.40%** Annual Degradation Over 30 Years



As different markets have different certification requirements, please consult our G-Star sales group to obtain the corresponding certification for the local market. If any special requirements are needed for the specific installing environment, please feel free to contact G-star technical support department anytime.

# GSD7S72T

## 575-600W

Bifacial Dual Glass Half-cut Mono TOPCon

### Weight

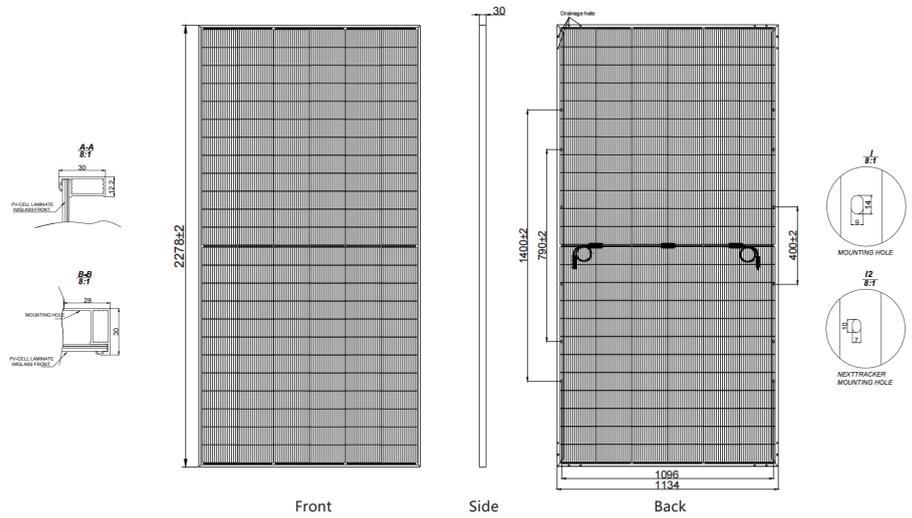
32 kg

### Dimensions

2278\*1134\*30mm

### Packaging

36pcs/pallet, 720pcs/ 40'HQ Container



## OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC
Maximum Series Fuse Rating	30A
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 Module Operating Temperature(NMOT)	43±2°C
*Under STC :BACKside Output Ration =Pmax(rear)/Pmax(front) 80%±5%	

## MECHANICAL CHARACTERISTICS

Cell Type	N type Monocrystalline 182.2*91.875mm
No. Of Cells	144 pcs in series (6x24)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 ,3Bypass Diodes
Output Cables	300mm in legh or Customized Length
Connectors	MC4/MC4-EVO2
Mechanical Load	5400Pa(Front)/2400Pa(Back)

## ELECTRICAL PARAMETERS AT STC

Module Type	GSD7S72T-575WT	GSD7S72T-580WT	GSD7S72T-585WT	GSD7S72T-590WT	GSD7S72T-595WT	GSD7S72T-600WT
Maximum Power(Pmax)	575	580	585	590	595	600
Maximum Power Voltage (Vmp)	44.14	44.35	44.56	44.77	44.98	45.19
Maximum Power Current (Imp)	13.03	13.08	13.13	13.18	13.23	13.28
Open-Circuit Voltage (Voc)	52.49	52.67	52.85	53.03	53.21	53.39
Short-Circuit Current (Isc)	13.60	13.66	13.72	13.78	13.84	13.90
Module Efficiency STC (%)	22.26%	22.45%	22.65%	22.84%	23.03%	23.23%

STC: Irradiance 1000W/m<sup>2</sup>, AM=1.5, Cell temperature 25°C.

## ELECTRICAL PARAMETERS AT BSTC\*\*

Maximum Power(Pmax)	636	641	647	652	658	664
Maximum Power Voltage (Vmp)	44.14	44.35	44.56	44.77	44.98	45.19
Maximum Power Current (Imp)	14.41	14.46	14.52	14.57	14.63	14.70
Open-Circuit Voltage (Voc)	52.49	52.67	52.85	53.03	53.21	53.39
Short-Circuit Current (Isc)	15.03	15.10	15.17	15.23	15.30	15.37
Module Efficiency BSTC (%)	24.62%	24.81%	25.05%	25.24%	25.47%	25.70%

\*\*BSTC: Front side irradiation 1000W/m<sup>2</sup>, Back side reflection irradiation 135W/m<sup>2</sup>, AM=1.5, Cell temperature 25°C.

## IV-CURVE

