

SOLAR PANEL

BIFACIAL MODULE

GP620W#N

Solar 620W

Features:

◆ SMBB Technology

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

◆ Hot 2.0 Technology

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

◆ Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset.

◆ Extended wind and snow load tests

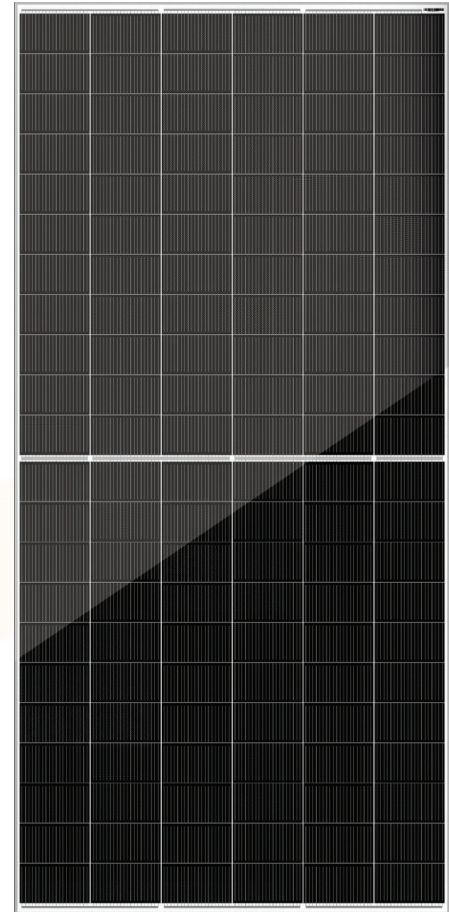
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal).

◆ Lower LCOE

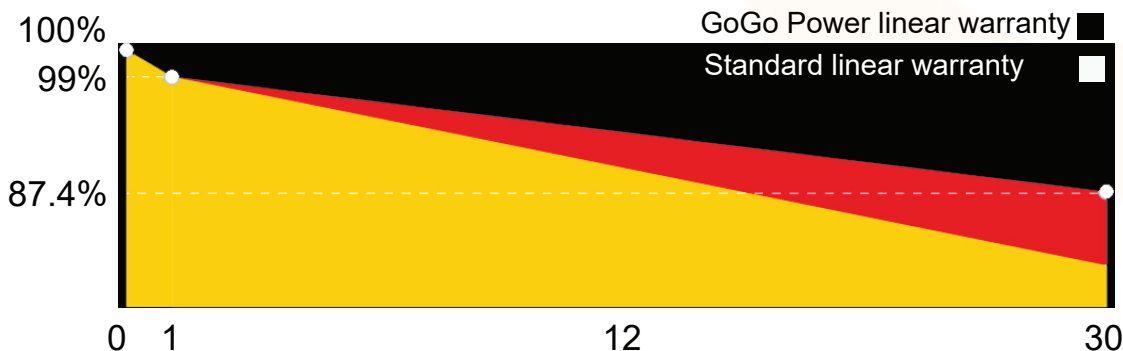
Higher bifaciality, higher power output and lower BOS cost.

◆ PID Resistance

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



Industry-Leading Warranty based on nominal power

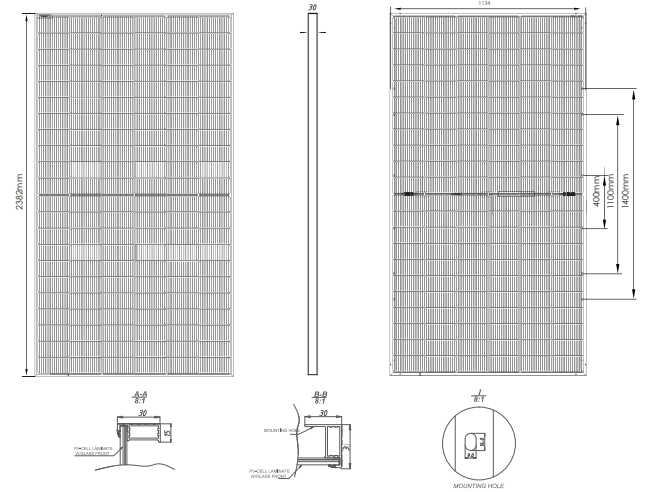


23.0%
MAXIMUM EFFICIENCY

SOLAR PANEL BIFACIAL MODULE

MECHANICAL SPECIFICATIONS

Cell Type	N type Mono-crystalline
Cell Arrangement	132 (6*22)
Weight	32.5KG
Module Dimensions	2382*1134*30mm
Cable Length	4.0mm ² , ±300mm or Customized length
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
No. of Bypass Diodes	3/6
Packing Configuration	36pcs/pallet, 720pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	GP620W#N
Testing Condition	STC
Rated output (Pmp/Wp)	620
Maximum Power Voltage(Vmpp/V)	40.91
Maximum Power Current(Imp/A)	15.16
Open Circuit Voltage(Voc/V)	48.78
Short Circuit Current(Isc/A)	16.05
Module efficiency(%)	23.0%
Power Tolerance (W)	0~+5

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

MAXIMUM RATINGS

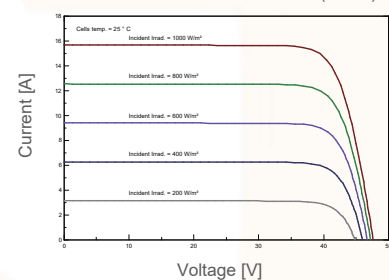
Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Protection Class	II
Fire Type	Class C (IEC)
Bifacial	80±5%

TEMPERATURE CHARACTERISTICS

NMOT Temperature	45°C±2°C
Temperature Coefficient (Pmax)	-0.29%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	0.045%/°C

CURVE & TEMPERATURE DEPENDENCE

I-V CURVES OF PV MODULE(635W)



P-V CURVES OF PV MODULE(635W)

