

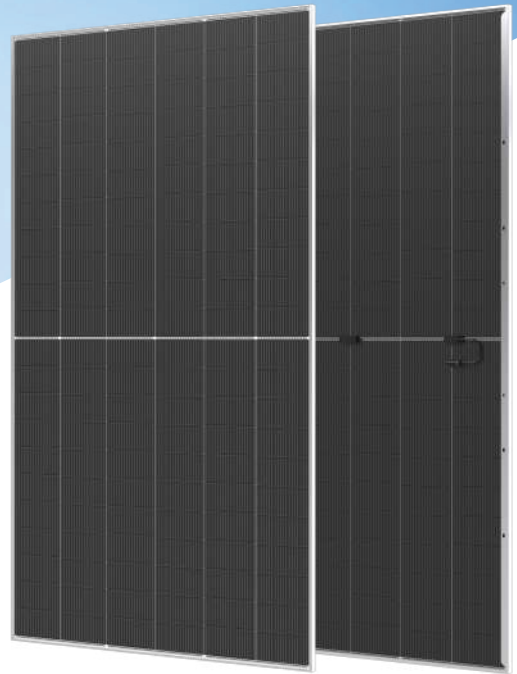


SJ-GN18

N-type TOPCon Bifacial Dual Glass Module

SJ-GN18/132HG

690W ~ 720W



High Power Generation



Module power up to 720W
Module efficiency up to 23.2%



Bifaciality up to 85%
More back side power generation



Excellent anti-LeTID & anti-PID performance
Lower power degradation, higher energy yield



Lower temperature coefficient: $-0.29\%/^{\circ}\text{C}$
Better performance under extreme weather condition



Lower LCOE & system cost



30 years power warranty



12 years product warranty

High Reliability



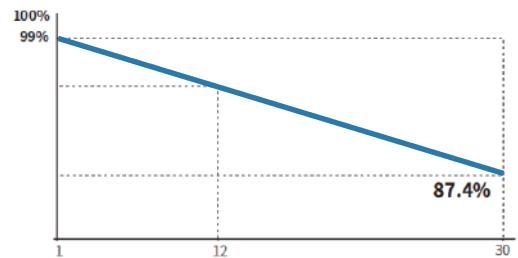
Safety protection level Class II



Minimized micro-cracks impacts



Better mechanical loading performance
 $+5400\text{Pa}/-2400\text{Pa}$



Less than 1% degradation in the first year
Annual degradation < 0.4% over 30 years

ISO9001: 2015 Quality management system
ISO18001 Environmental management system
ISO45001 International standards for occupational health & safety
IEC 61215: 2021 / IEC 61730: 2023



SJ-GN18/132HG 690W ~ 720W

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of Cells	132
Dimensions	2384mm×1303mm×33mm
Weight	37.8kg
Front Glass	2.0mm, Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
Connector Type	MC4 compatible
Output Cables	4mm ² , +400/-200 or Customized Length

Packaging Configuration

Pallet Dimensions	2405*1120*1420mm
Packing Detail (Two pallets - One stack)	33 pcs/pallets, 66 pcs/stack, 594 pcs/ 40' HQ Container

Specifications (STC)

Maximum Power (P _{max} -W)	690	695	700	705	710	715	720
Power Tolerance	0~+5						
Maximum Power Voltage (V _{mp} -V)	39.60	39.80	40.00	40.20	40.40	40.60	40.80
Maximum Power Current (I _{mp} -A)	17.43	17.47	17.51	17.55	17.59	17.63	17.67
Open-circuit Voltage (V _{oc} -V)	47.50	47.70	47.90	48.10	48.30	48.50	48.70
Short-circuit Current (I _{sc} -A)	18.39	18.44	18.49	18.54	18.59	18.64	18.69
Module Efficiency (%)	22.20	22.40	22.50	22.70	22.90	23.00	23.20

STC:AM=1.5, irradiance 1000W/m², module temperature 25°C

Specifications (NMOT)

Maximum Power (P _{max} -W)	522	526	529	533	537	541	545
Maximum Power Voltage (V _{mp} -V)	37.40	37.60	37.80	38.00	38.20	38.40	38.60
Maximum Power Current (I _{mp} -A)	13.96	13.99	14.02	14.05	14.08	14.11	14.13
Open-circuit Voltage (V _{oc} -V)	45.00	45.20	45.40	45.50	45.70	46.90	46.10
Short-circuit Current (I _{sc} -A)	14.83	14.87	14.91	14.95	14.99	15.03	15.07

NMOT: irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM 1.5

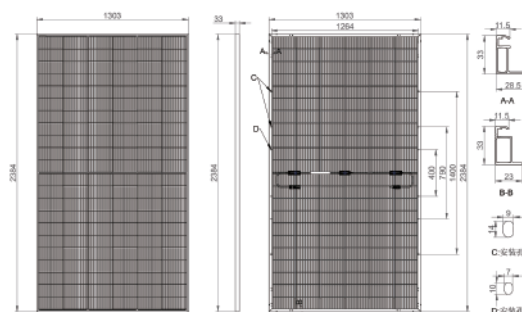
Temperature Characteristics

Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of P _{max}	-0.29%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of I _{sc}	0.045%/°C

Application Conditions

Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	35A
Mechanical Loading	5400Pa/2400Pa
Hail impact experiment	φ25mm hail, From 1m at speed of 23m/s
Operating Temperature	-40°C ~ +85°C
Protection Class	Class II
Bifaciality	80±5%

Engineering Drawings



I-V Curves

