

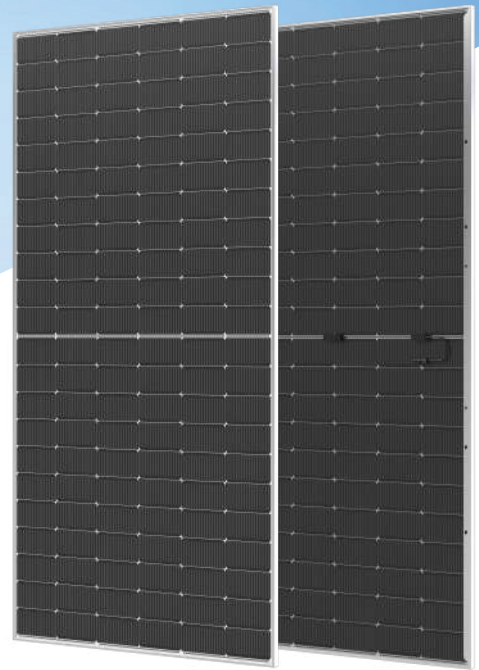


SJ-RN17

N-type TOPCon Bifacial Dual Glass Module

SJ-RN17/132HG

600W ~ 620W



High Power Generation



Module power up to 620W
Module efficiency up to 23%



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



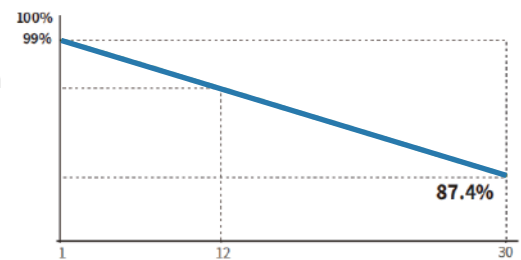
Safety protection level Class II



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-RN17/132HG 600W ~ 620W

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of Cells	132
Dimensions	2382mm×1134mm×30mm
Weight	32.4kg
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/-200mm or Customized Length

Packaging Configuration

Pallet Dimentions	2396*1110*1251mm
Packing Detail (Two pallets - One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40' HQ Container

Specifications (STC)

Maximum Power (Pmax-W)	600	605	610	615	620
Power Tolerance	0~+5				
Maximum Power Voltage (Vmp-V)	40.75	40.95	41.15	41.35	41.55
Maximum Power Current (Imp-A)	14.73	14.78	14.83	14.88	14.93
Open-circuit Voltage (Voc-V)	47.50	47.70	47.90	48.10	48.30
Short-circuit Current (Isc-A)	15.75	15.80	15.85	15.90	15.95
Module Efficiency (%)	22.20	22.40	22.60	22.80	23.00

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

Specifications (NMOT)

Maximum Power (Pmax-W)	451	455	459	462	466
Maximum Power Voltage (Vmp-V)	37.94	38.14	38.35	38.47	38.68
Maximum Power Current (Imp-A)	11.89	11.93	11.97	12.01	12.05
Open-circuit Voltage (Voc-V)	45.13	45.32	45.51	45.70	45.89
Short-circuit Current (Isc-A)	12.72	12.76	12.80	12.84	12.88

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

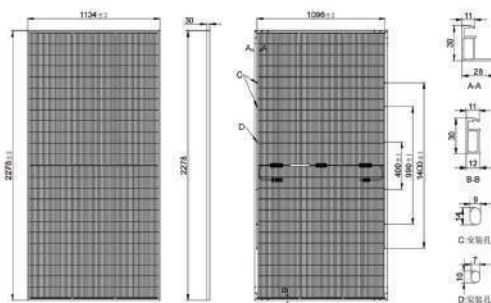
Temperature Characteristics

Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	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

