

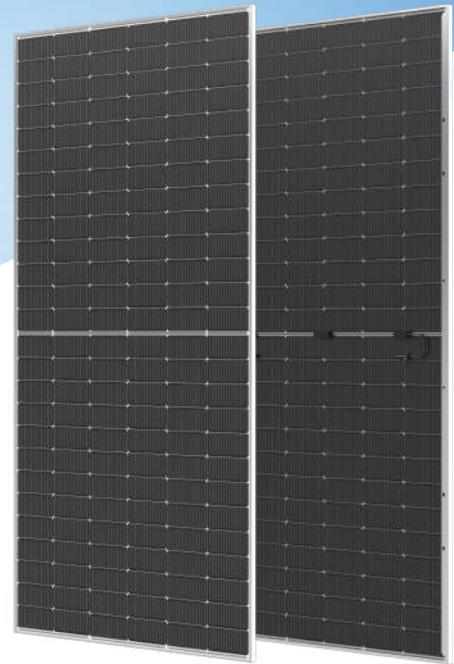


SJ-N16

N-type TOPCon Bifacial Dual Glass Module

SJ-N16/156HG

620W ~ 645W



High Power Generation



Module power up to 645W
Module efficiency up to 23.1%



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



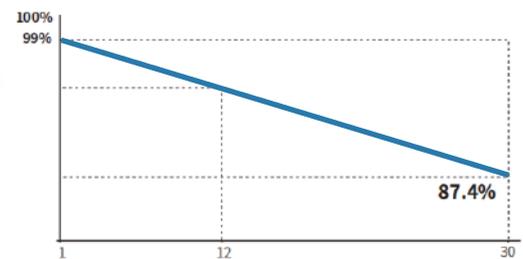
Safety protection level Class II



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-N16/156HG 620W ~ 645W

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of Cells	156
Dimensions	2465mm×1134mm×30mm
Weight	34kg
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 Dimintions	2525*1140*1251mm
Packing Detail (Two pallets - One stack)	36 pcs/pallets, 72 pcs/stack, 576 pcs/ 40' HQ Container

Specifications (STC)

Maximum Power (Pmax-W)	620	625	630	635	640	645
Power Tolerance	0~+5					
Maximum Power Voltage (Vmp-V)	46.12	46.29	46.45	46.62	46.79	46.96
Maximum Power Current (Imp-A)	13.45	13.51	13.57	13.63	13.69	13.75
Open-circuit Voltage (Voc-V)	55.81	56.01	56.21	56.41	56.61	56.81
Short-circuit Current (Isc-A)	14.03	14.11	14.19	14.27	14.35	14.43
Module Efficiency (%)	22.20	22.40	22.50	22.70	22.90	23.10

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

Specifications (NMOT)

Maximum Power (Pmax-W)	466	470	473	477	481	485
Maximum Power Voltage (Vmp-V)	43.41	43.57	43.73	43.88	44.03	44.18
Maximum Power Current (Imp-A)	10.74	10.79	10.83	10.88	10.93	10.98
Open-circuit Voltage (Voc-V)	53.01	53.20	53.39	53.58	53.77	53.96
Short-circuit Current (Isc-A)	11.32	11.39	11.45	11.52	11.58	11.64

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

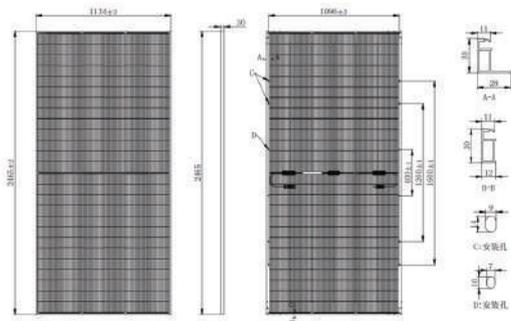
Temperature Characteristics

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	30A
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

