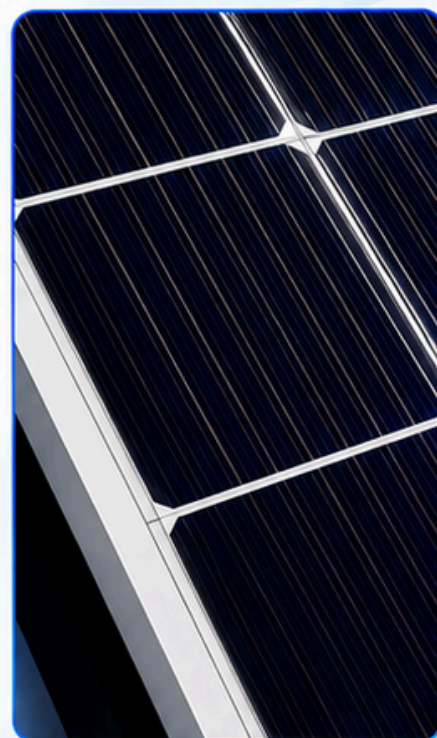


SOLAR PANEL 620W

N-Type TOPCon

BIFACIAL



High energy yield

- Consistent energy production across all weather conditions
- Bifacial energy generation



Elegant design

- Sleek panel aesthetic
- High-durability frame and heat-strengthened glass



Reliable operation

- Rigorous supply chain qualification procedures
- Easy to install
- Backed by a bankable company



Ideal for commercial applications



Framed glass-glass



Bifacial energy generation

Electrical Data (STC)

620W

Nominal Power (P _{max})	620 W
Power Binning	3/0%
Panel Efficiency	23.0%
Rated Voltage (V _{mpp})	40.98 V
Rated Current (I _{mp})	15.13 A
Open-Circuit Voltage (V _{oc})	48.94 V
Short-Circuit Current (I _{sc})	16.05 A

Electrical Data (General)

620W

Bifaciality (φ _{Pmax} /φ _{Isc})	80% +/- 5%
Bifaciality (φ _{Voc})	98% +/- 2%
Maximum System Voltage	1500 V IEC
Testing Temperature	-40°C to +85°C
Operation Temperature	-40°C to +70°C (IEC TS 63126)
Maximum Series Fuse	30 A
Power Temp. Coef.	-0.28% / °C
Voltage Temp. Coef.	-0.24% / °C
Current Temp. Coef.	0.045% / °C

Packaging Configuration

620W

Number of modules per pallet	36
Number of pallets per 40ft HQ container	20
Number of modules per container	720

Electrical Data (BNPI)

620W

Nominal Power (P _{max})	685 W
Open-Circuit Voltage (V _{oc})	49.11 V
Short-Circuit Current (I _{sc})	17.73 A

Bifacial Gain

620W

P _{max} with 5% Bifacial Gain	651 W
I _{sc} with 5% Bifacial Gain	16.85 A
P _{max} with 10% Bifacial Gain	682 W
I _{sc} with 10% Bifacial Gain	17.66 A

Mechanical Data

620W

Solar Cells	N-Type TOPCon
Glass	2.0 mm + 2.0 mm, high transmission heat strengthened glass, AR coating on front glass
Junction Box	IP-68, 3 bypass diodes
Connector	H4 connectors
Weight	32.6 kg
Max. Load	Wind: 2400 Pa, 245 kg/m ² front & back Snow: 5400 Pa, 550 kg/m ² front
Impact Resistance	25 mm diameter hail at 23 m/s
Frame	Anodized Aluminium Alloy

Tests And Certifications

620W

Standard Tests	IEC 61215, IEC 61730
Fire Rating	Class A (IEC 61730-2 / UL 790)
Protection Class	Class II (IEC 61140)
Quality Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	ISO 45001:2018, Recycling Scheme



Comprehensive
warranty coverage

25-30
Years

Product and
power coverage

99.0%

Year 1 minimum
warranted output

0.40%

Maximum
annual degradation