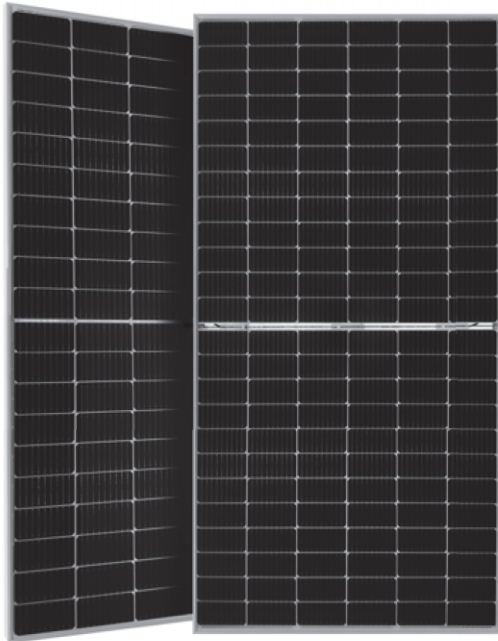




Dimensions: 1909*1134*35mm
Mono Power: 460W

Characteristics

- High efficiency solar cell to keep the modules efficiency reach to 21.25%.
- Lower LID attenuation.
- Excellent performance under weak light conditions.
- Excellent temperature coefficient characteristics.
- Premium materials ensure reliability.
- Extreme environment durability certified by TUV,CE,CB.
- 100% EL test to keep higher quality.

Monocrystalline Bifacial Double Glass Module



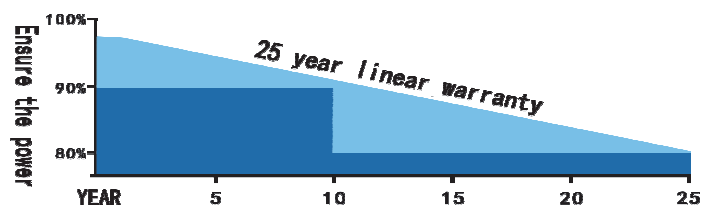
Anodized aluminum frame withstand corrosion and damage, Special osculum can reduce destruction by water freeze.



IP68 junction box long-term weather endurance.

Warranty

- 25 years Linear Product Workmanship Warranty.
- 10 years workmanship warranty.



Quality and safety

- ISO9001:2015、ISO14001:2015、ISO45001:2018 certified supplier, we provide world first class solar products for clients.
- TUV,IEC,CE,CB approved.

ISO 9001 ISO 14001

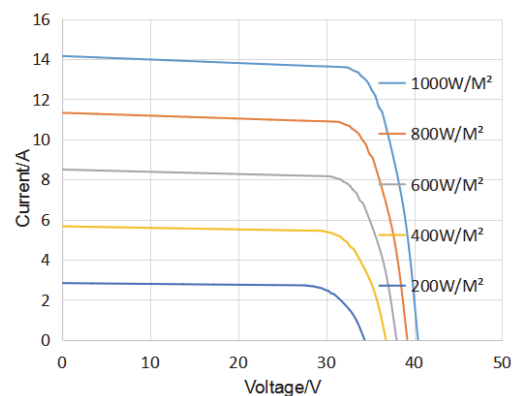


Electrical Characteristics

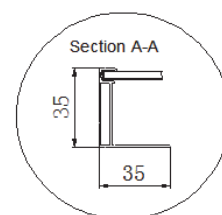
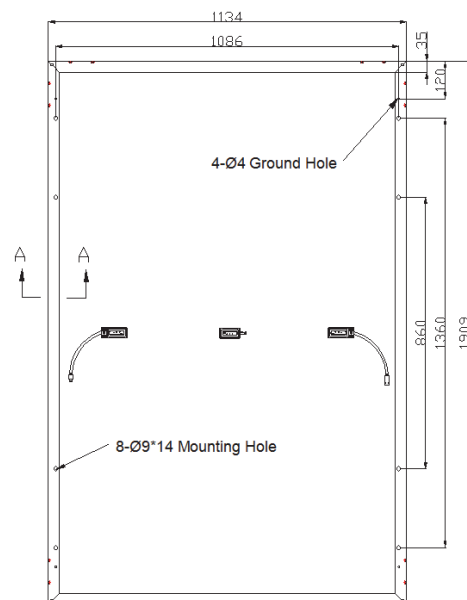
Model No.	SG-460WBG
Maximum Power (Pmax)	460W
Max-power Voltage (Vmp)	34.5V
Max-power Current (Imp)	13.33A
Open-circuit Voltage (Voc)	41.75V
Short-circuit Current (Isc)	14.13A
Module Efficiency	21.25%
Operating Temperature	-40℃~+85℃
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	25A
Power Tolerance	±3%

*STC condition: 1000 W/m², 1.5AM and 25℃ cell temperature.

I-V Curve



Dimensions



Double Side Power Generation Data (Backside Gain)

5%	Pmax	483W
	Module Efficiency	22.31%
15%	Pmax	529W
	Module Efficiency	24.43%
25%	Pmax	575W
	Module Efficiency	26.56%

Temperature Characteristics

NMOT	46℃±2℃
Temperature Co-efficient of Pmax	-0.36%/℃
Temperature Co-efficient of Voc	-0.28%/℃
Temperature Co-efficient of Isc	0.048%/℃

Mechanical Characteristics

Mono Power	460W
Cell Type	Mono182*91mm
Cell Arrangement	120(6*20)
Dimensions	75.15*44.65*1.38inch(1909*1134*35mm)
Weight	60.5lbs(26.8kg)
Front Cover	2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant material	EPE / EVA / 2.0 Glass
Back Glass	2.0 mm , Heat Strengthened Glass
Frame Material	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4mm ² , Length: (+) 300mm/ (-) 300mm