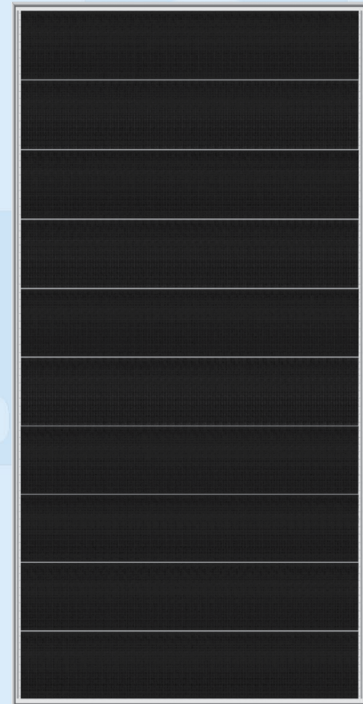


450W TED Solar Panel

- **Shingling Technology:** Innovative structure, low-temperature adhesive bonding, high-density layout.
- **Beautiful Appearance:** Uniform layout, better aesthetics.
- **Superior Safety & Reliability:** No hidden welding crack, low operating temperature, high pressure resistance.
- **Low System Cost:** High module efficiency, reducing system cost.
- **Low Hot Spot Risk:** Parallel circuit design reduces shading loss.
- **Eco-Friendly:** Adhering to green philosophy, no fluorine and low lead.
- **25-year warranty** for linear power output.



Electrical Characteristics (STC)

Max. power (Pm)	450 W
Open circuit voltage (Voc)	38.4 V
Short circuit current (Isc)	14.77 A
Voltage at max. power point (Vm)	31.9 V
Current at max. power point (Im)	14.11 A
Module efficiency (η)	21.2 %

Electrical Characteristics (NMOT)

Max. power (Pm)	339 W
Open circuit voltage (Voc)	36.6 V
Short circuit current (Isc)	11.92 A
Voltage at max. power point (Vm)	30.4 V
Current at max. power point (Im)	11.15 A

Maximum Rated Parameters

Max. system voltage	DC 1500 V / 1000 V (IEC)
Max. fuse rated current	20 A
Max. front statistic load	5400 Pa
Working temperature	from - 40°C to + 85°C
Hail resistance	Max. diametre 25mm, impact speed 23 m/s

Due to continuous product improvements, program specifications are subject to change without notice

Address: Holland, City: Wassenaar, Dr. Mansveltkaade Street 48, Postal code: 2242XM

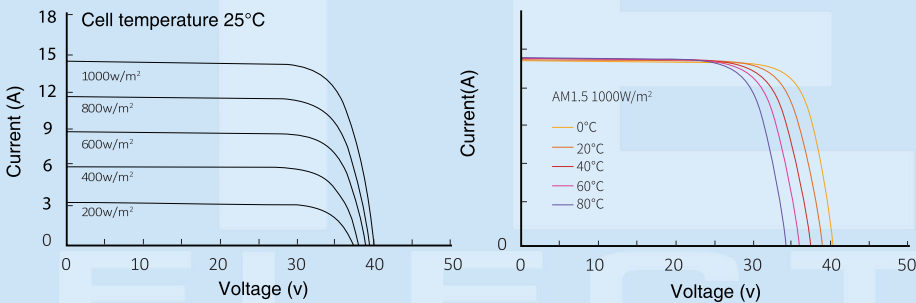
Mechanical Parameters

Size (L x W x H)	2148 x 990 x 35 mm
Weight	22.3 kg
Front glass	3.2 mm toughened glass
Cell	Monocrystalline PERC 210 x 210 mm
Backplate	High weather resistance
Frame	Anodic alumina profile
Junction box	IP68, TUV, 2 diodes
Cable length / section	1200 mm long / 4mm ² cross section
Connector	MC4 compatible / original EVO2

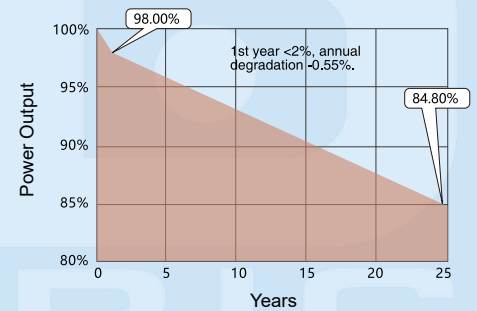
Temperature Parameters

NMOT	42.3°C (+/-2°C)
Open circuit voltage temp. coefficient	- 0.27 % / °C
Short circuit current temp. coefficient	+ 0.04 % / °C
Maximum power temp. coefficient	- 0.34 % / °C

I-V Curve



Linear Power Output



Technical Drawings

