ECO-WORTHY

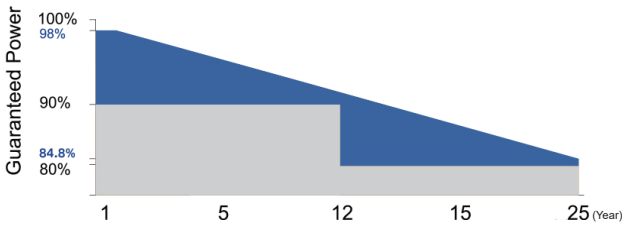
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200W 18V Flexible MONO Solar Panel

High Transmission,
Flexible Solar Panel



- IP67 waterproof
- Built-in diode to prevent reverse current
- Featuring 60° of maximum flexibility



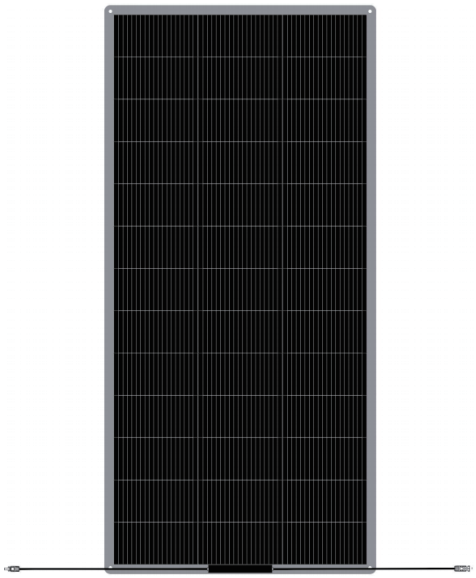
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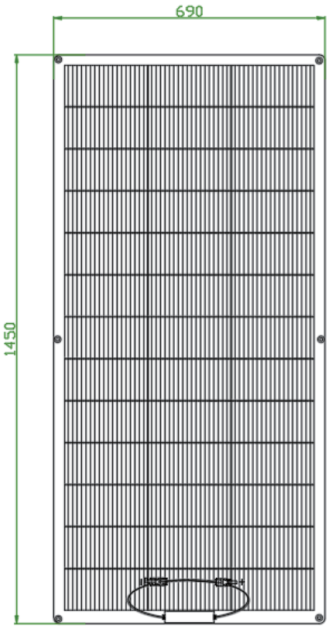
Tel: (US) 1-866-939-8222 Tel: (UK) +44 7553 4069 88 Tel: (DE) +49 6175 6514 999
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200W 18V
Flexible Mono Solar Panel

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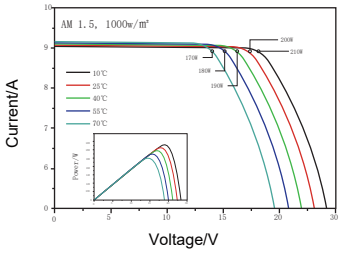
Module Diagram:



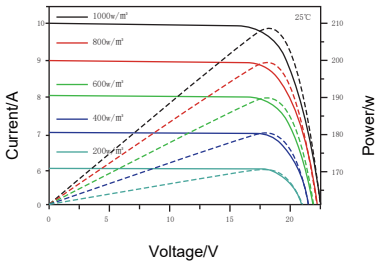


I-V Curves:

I-V Curves of PV Module(200W)



P-V Curves of PV Module(200W)



Electrical Parameters	
Model	ECO-SM-AM200W
Maximum Power at STC*	200W
Optimum Operating Voltage(Vmp)	25.1V
Optimum Operating Current(Imp)	7.97A
Open Circuit Voltage(Voc)	29.1V
Short Circuit Current(Isc)	8.21A
Module Efficiency	20%
Maximum System Voltage	500V
Maximum Series Fuse Rating	8~10A
Power tolerance	±3%

Thermal Characteristics	
Operating Temp. Range	-40℃~+85℃
Nominal Operating Cell Temperature(NOCT)	25℃
Temperature Coefficient of Pmax	(0.4W+/-0.05)/℃
Temperature Coefficient of Voc	(0.33V)/℃
Temperature Coefficient of Isc	0.065A+/-0.015%℃

Mechanical Data	
Solar Cell Type	Monocrystalline
Number of Cells	39（3*13）
Dimension	57.09*27.17*0.10 in (1450*690*2.5mm)
Weight	8.05 lbs (3.65kg)
Material	ETFE
Connector	2.9ft Extension Cable With MC4 Connector

MC4 Connector	
Rated Current	30A
Maximum Voltage	1000V
Maximum AWG Size Range	10AWG~14AWG
Temperature Range	-40℃~+85℃
IP Rating	IP67

Junction Box	
IP Rating	IP68
Diode Type	Blocking Bypass Diodes
Output Cable	12AWG(2.9ft)

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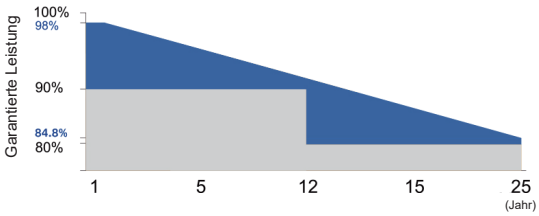
Version: 1.1.1

200W 18V Flexibles MONO-Solarmodul

Hohe Transmission,
Flexibles Solarpanel



- IP67 wasserdicht
- Mit 60° maximaler Flexibilität
- Eingebaute Diode zur Vermeidung von Rückstrom



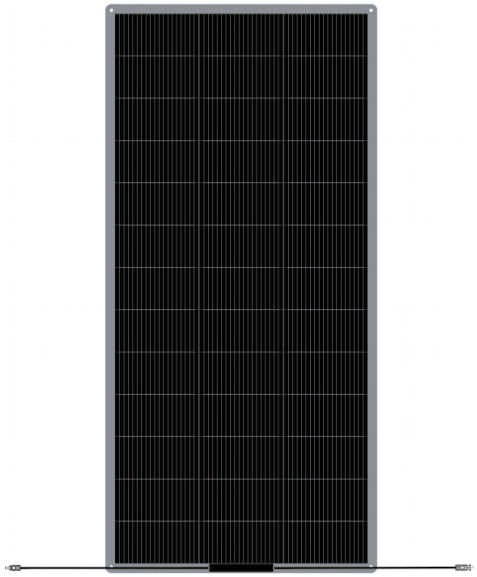
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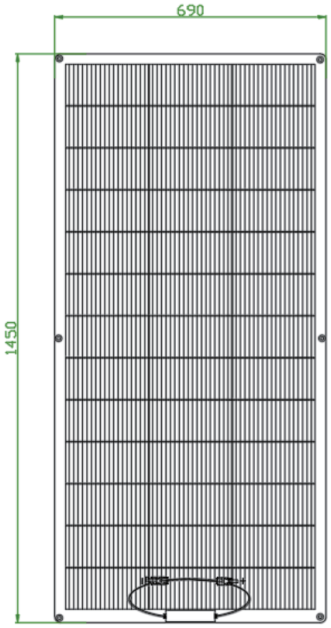
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200W 18V
Flexibles Mono-Solarpanel

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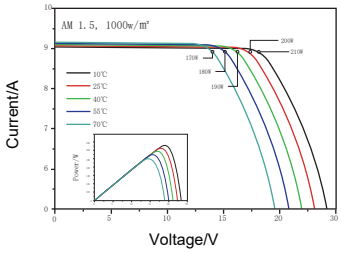
Module Diagram:



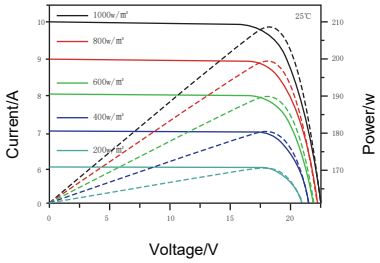


I-V Curves:

I-V Curves of PV Module(200W)



P-V Curves of PV Module(200W)



Elektrische Parameter	
Modell	ECO-SM-AM200W
Maximale Leistung bei STC*	200 W
Optimale Betriebsspannung (Vmp)	25.1 V
Optimaler Betriebsstrom (Imp)	7.97 A
Leerlaufspannung (Voc)	29.1 V
Kurzschlussstrom (Isc)	8.21A
Modulwirkungsgrad	20 %
Maximale Systemspannung	500 V
Maximale Nennleistung der Seriensicherung	8–10 A
Leistungstoleranz	±3 %

Thermische Eigenschaften	
Betriebstemperaturbereich	-40 °C bis +85 °C
Nennbetriebstemperatur der Zelle (NOCT)	25 °C
Temperaturkoeffizient von Pmax	(0,4 W +/- 0,05)/°C
Temperaturkoeffizient von Voc	(0,33 V)/°C
Temperaturkoeffizient von Isc	0,065 A +/- 0,015 % °C

Mechanische Daten	
Solarzellentyp	Monokristallin
Zellenzahl	39(3*13)
Abmessungen	57,09*27,17*0,10 Zoll (1450*690*2.5 mm)
Gewicht	8,05 lbs (3,65 kg)
Material	ETFE
Anschluss	2,9 Fuß Verlängerungskabel mit MC4-Stecker

MC4-Anschluss	
Nennstrom	30 A
Maximale Spannung	1000 V
Maximaler AWG-Größenbereich	10 AWG – 14 AWG
Temperaturbereich	-40 °C – +85 °C
IP-Schutzart	IP67

Anschlussdose	
IP-Schutzart	IP68
Diodentyp	Blockierende Bypassdioden
Ausgangskabel	12AWG (2,9 Fuß)