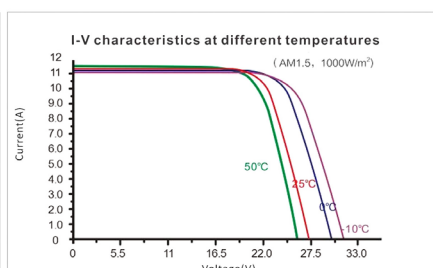
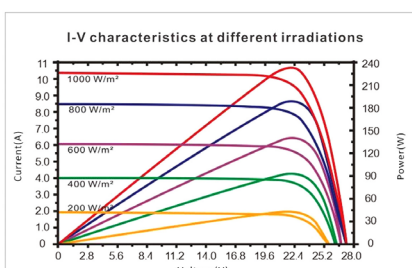
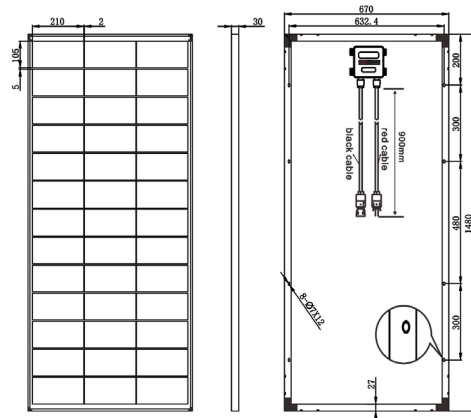


Monocrystalline 220W 12V

Electrical characteristics

Product Code	Eco Line ES220M
SKU	1100220
EAN Code	4260558576044
Maximum Power (Pmax)	220Wp
Voltage at Pmax (Vmp)	23.6V
Current at Pmax (Imp)	9.32A
Open-circuit Voltage (Voc)	27.3V
Short-circuit Current (Isc)	10.13A
Temperature coefficient of Voc	-0.36%/K
Temperature coefficient of Isc	0.05%/K
Temperature coefficient of Power	-0.44%/K
Normal operating cell Temperature	44 ± 2°C
Operating Temperature	-40 ~ +85°C
Maximum System Voltage	1000 VDC
Power Tolerance	0 ~ +3%
Junction box	IP65
Bypass diodes	2 Pcs
Solar Cell	Mono 39 (3 × 13)
Connection cable and connector	4mm ² x 90cm, Solar Stecker (+/-)
Performance guarantee	25 years
Dimension (mm)	1480 × 670 × 30
Weight (kg)	10.2

Module diagram and characteristic curve



- 210mm cell
- 25.5% cell efficiency
- +3% Plus Tolerance Sorted
- reinforced aluminum frame
- TÜV Saar certified
- 25-year Product guarantee



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*Measured at standard test conditions: irradiance 1.000W/m², air mass 1.5 spectrum, temperature 25°C
Electrical parameters may vary by -5% to +5%