

EWS-100P-36-I

SPECIFICATION SHEET

Electrical Characteristics*

Nominal Maximum Power (Pm) in Watts	100
Power tolerance	0 / + 5W
Open Circuit Voltage (Voc) in Volts	21,97
Short Circuit Current (Isc) in Amps	6,07
Voltage at Maximum Power (Vmp) in Volts	17,46
Current at Maximum Power (Imp) in Amps	5,73
Maximum System Voltage in Volts	1000
Module Efficiency (%)	12,88
Maximum Series Fuse Rating (A)	15

*Under Standard Test Conditions (STC) of 1000 W/m² irradiance, AM 1,5 spectrum and 25°C cell temperature.

Mechanical Characteristics

Length x Width x Thickness (L x W x T) - mm	1150 x 675 x 35
Mounting Holes Pitch (Y) – mm	575
Mounting Holes Pitch (X) – mm	633
Weight (kg)	10,15
Solar Cells per Module (Units) / Arrangement	36 / (9 x 4)
Solar Cell Type	Multi Crystalline Silicon
Front Cover (Material / Thickness)	Tempered & Low Iron Glass / 3,2mm / 4mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Anodized Aluminium Alloy
Junction Box (Material / Type)	Weatherproof PPO / IP67 enclosure with bypass diodes
Connector (Protection degree / Type)	IP67 rated / MC4 compatible
Cable cross-section	4 mm ²

- ▶ Heavy duty anodized Aluminum frames with predrilled holes for quick installation
- ▶ Salt mist corrosion resistance and Ammonia corrosion resistance

Thermal Characteristics

Temperature coefficient of Current (Isc), α (%/°C)	0.0681
Temperature coefficient of Voltage (Voc),β (%/°C)	-0.2941
Temperature coefficient of Power (Pm), γ (%/°C)	-0.3845
NOCT (°C)	46 ± 2
Operating temperature range (°C)	-40 to 85

Certifications



IEC 61701

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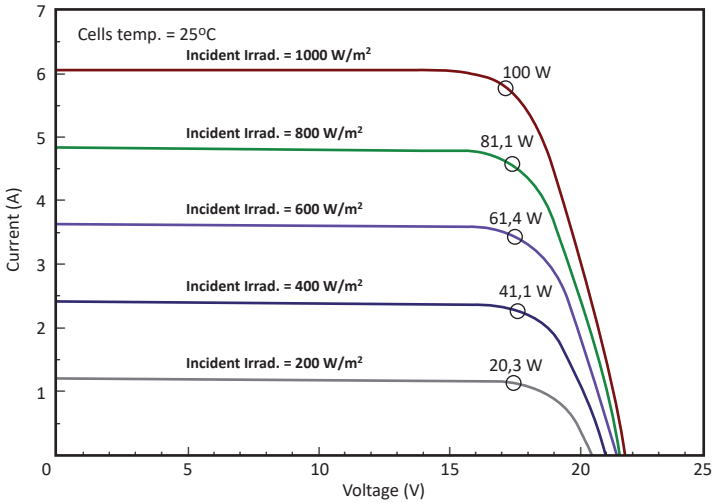
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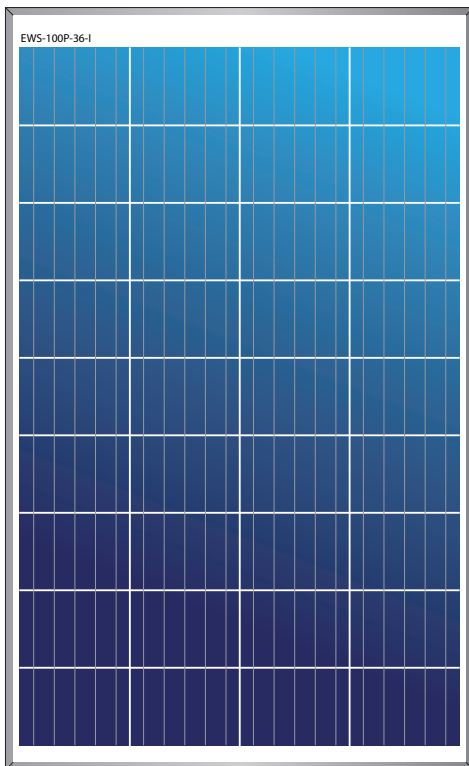
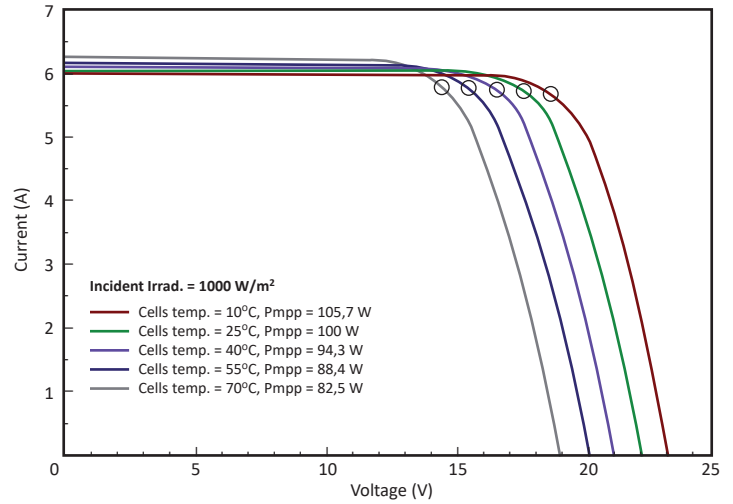
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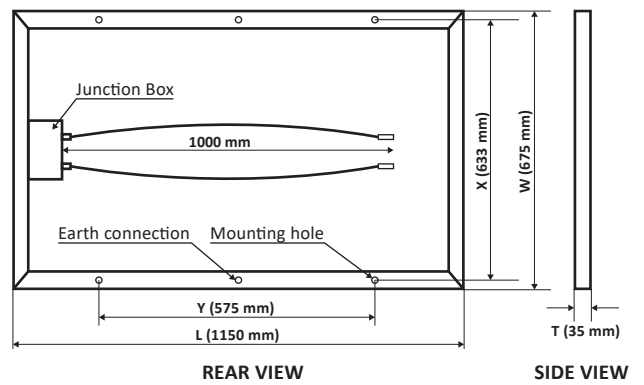
I-V Curve Variation with Irradiance



I-V Curve Variation with Temperature



Design specifications



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