

ENV170M-36

Monocrystalline 36 Cells 150W-170W

Key Features



Widely using of the most popular and mature type of modules for off-grid system



High power output and highest conversion efficiency of 16.51%



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



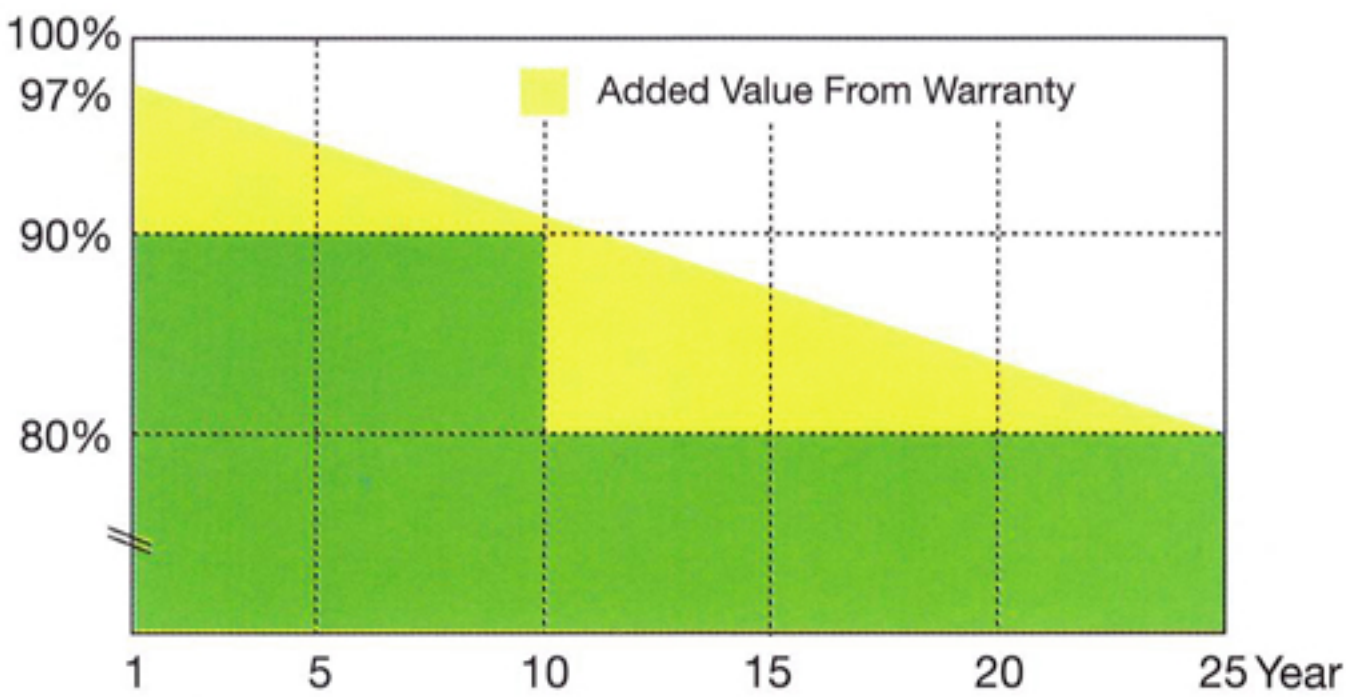
Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

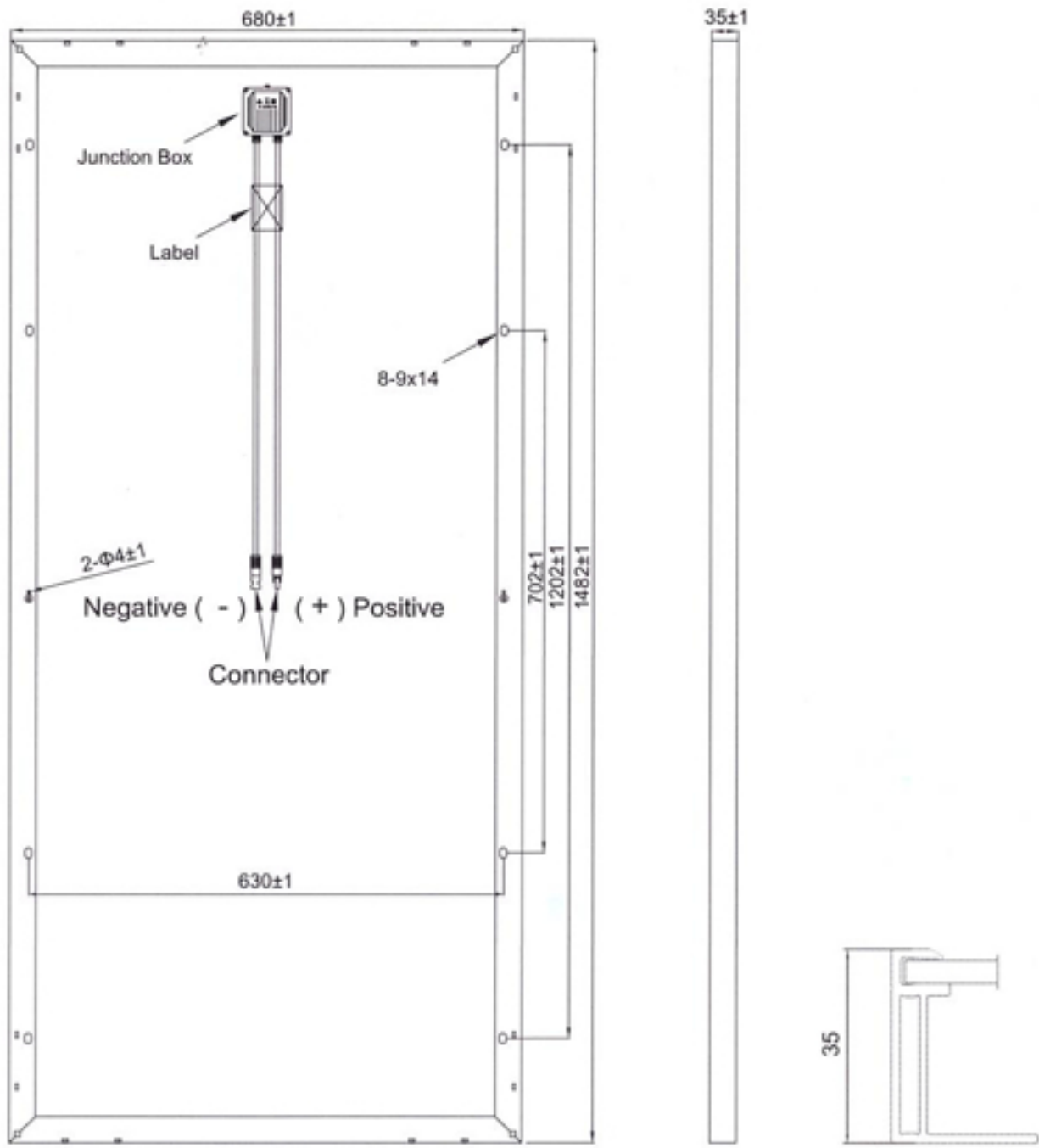
Mechanical Parameters

Cell (mm)	Mono 156×156
Weight (kg)	12 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (L×W×H) (mm)	1482×680×35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	36(4×9)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	64 Per Pallet

Working Conditions

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind) Maximum Static Load, Back (e.g., wind)	5400Pa (112 lb/ft ²) 2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Engineering Drawings

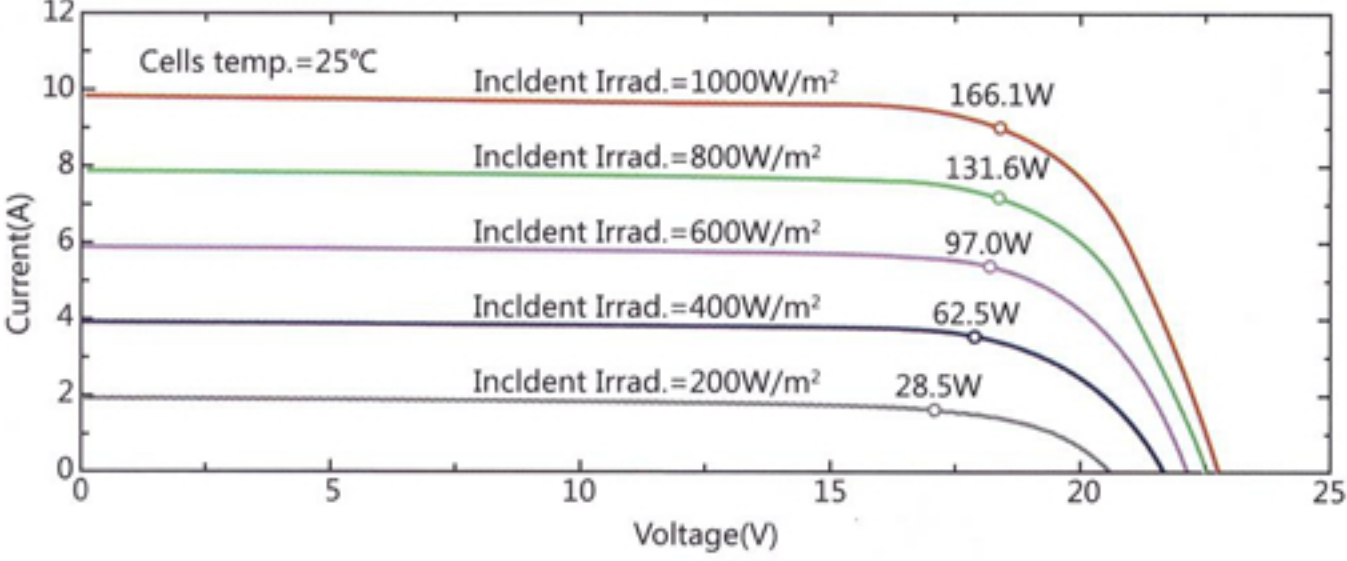


Electrical Parameters

Module	ENV150M-36	ENV155M-36	ENV160M-36	ENV165M-36	ENV170M-36
Rated Maximum Power at STC (W)	150	155	160	165	170
Open Circuit Voltage (Voc/V)	22.4	22.5	22.6	22.7	22.8
Maximum Power Voltage (Vmp/V)	17.5	17.6	17.7	17.8	17.9
Short Circuit Current (Isc/A)	9.05	9.28	9.52	9.71	9.93
Maximum Power Current (Imp/A)	8.63	8.81	9.04	9.27	9.50
Module Efficiency [%]	14.88	15.38	15.87	16.37	16.87
Power Tolerance (W)	-0~+5W				
Temperature Coefficient of Isc (alsc)	+0.059%/°C				
Temperature Coefficient of Voc (βVoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γPmp)	-0.410%/°C				
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve

I-V Curves at different irradiance



I-V Curves at different temperature

