

## 550W Mono-Crystalline Solar Module

### ELECTRICAL PARAMETERS @ STC

Peak Power	P <sub>max</sub> (W)	550
Maximun Power Voltage	V <sub>mp</sub> (V)	41.60
Maximun Power Current	I <sub>mp</sub> (A)	13.23
Open-circuit voltage	V <sub>oc</sub> (V)	49.80
Short-circuit current	I <sub>sc</sub> (A)	13.99
Module Efficiency	η(%)	21.28

Values at standard test conditions STC ( Air mass AM1.5, Irradiance 1000W/sqm, Cell temperature 25°C)  
Power Measurement Tolerance: 0 / +3%

### MECHANICAL DATA

Solar Cell (type / dimension)	Mono-crystalline solar cells / 182*91mm
Cell Amount	72 x 2
Module Dimension (L x W x H)	2279mm x 1134mm x 35mm
Weight	29 kg
Frame (material)	Aluminum Alloy
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	Fluoropolymer coating / PET / polyolefin
Mechanical Load	Wind/Snow 2400/5400 Pa
Junction Box (protection degree)	IP 68
Output Cables	4mm <sup>2</sup> , Landscape: N 1400mm/P 1400mm Portrait: N 200mm/P 300mm
Connector	MC4 compatible

### TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	41 +/- 3°C
Voltage Temperature Coefficient (VOC)	-0.28% / °C
Current Temperature Coefficient (Isc)	0.05% / °C
Power Temperature Coefficient (Pmax)	-0.34% / °C

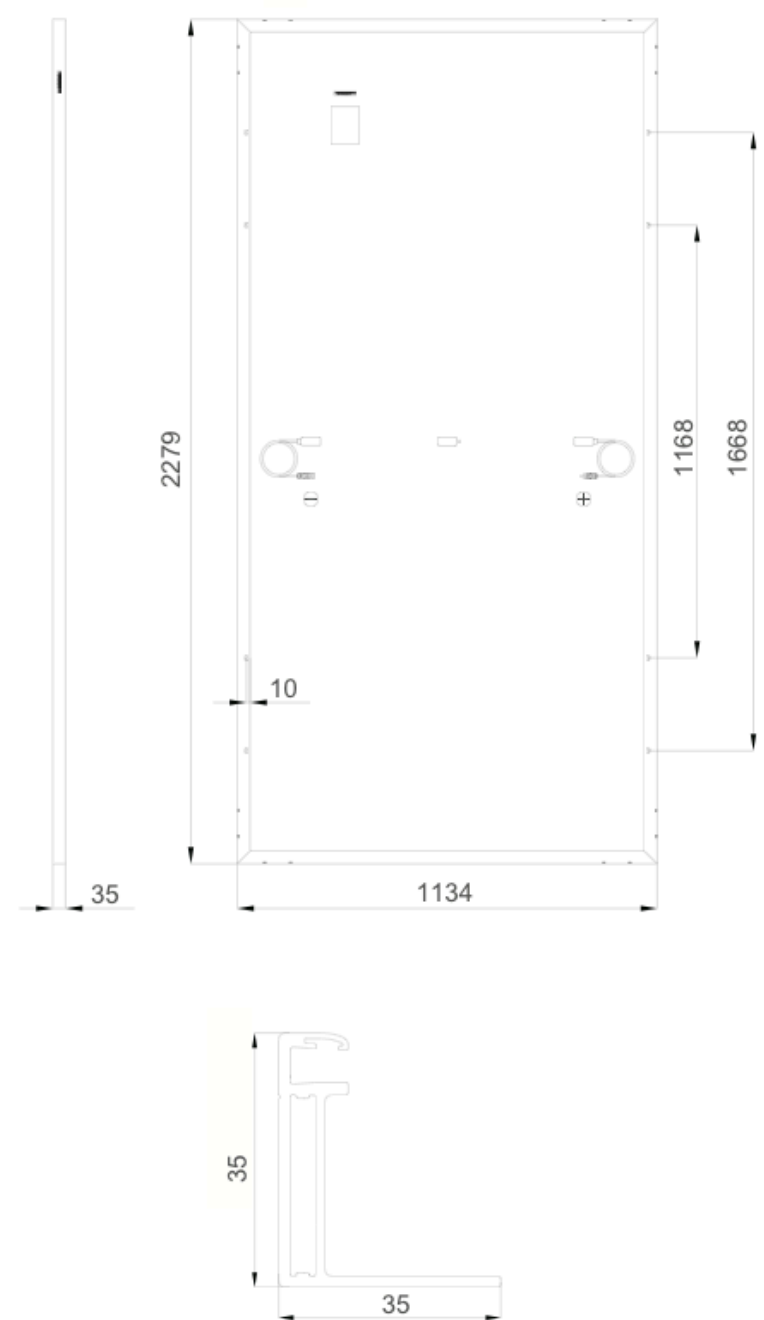
### MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximun System Voltage	1500V
Max Series Fuse Rating	25A

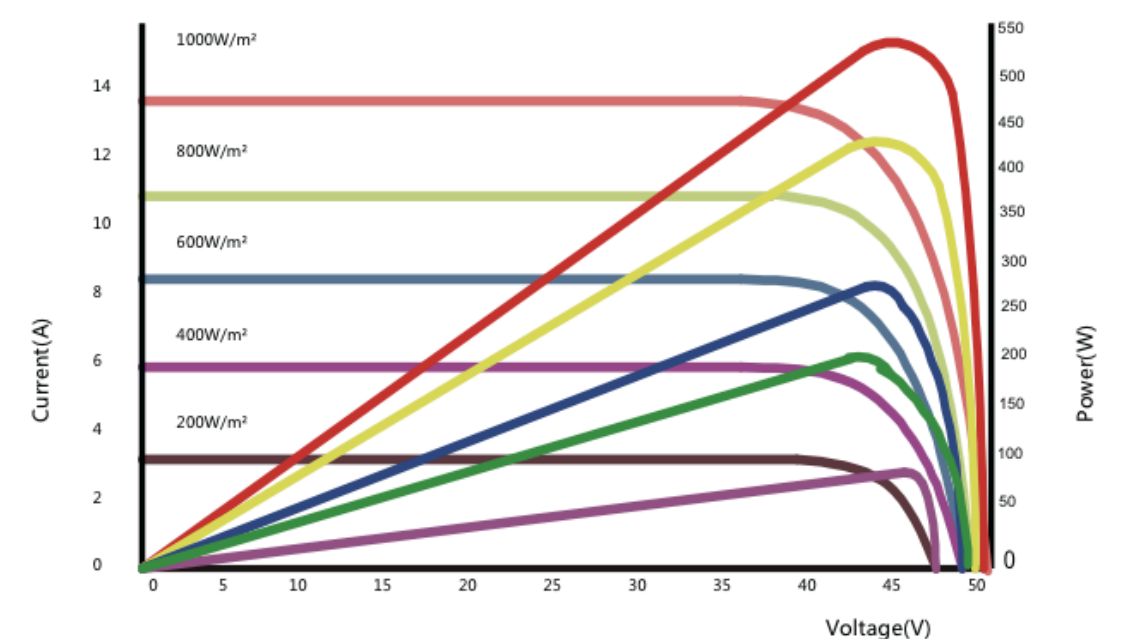
### WARRANTY

Warranty	25 years Power Output Warranty 10 years 90%, 25 years 85% 10 years Product Warranty on Material
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### MECHANICAL DRAW



### I-V CURVE



WARRANTY BY:

PRODUCTS ZUN POWER

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