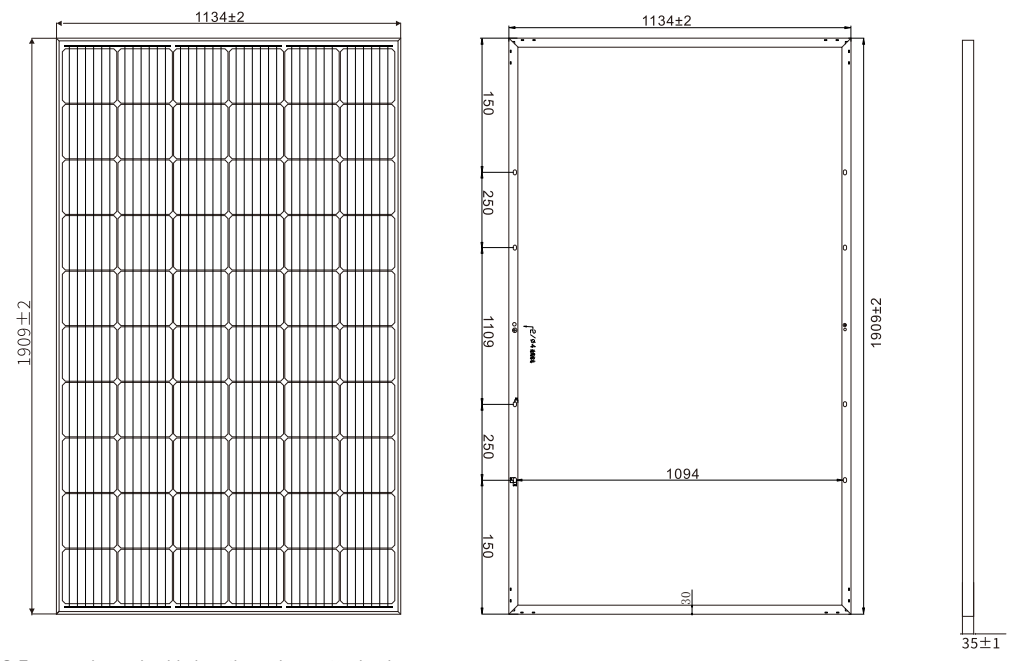


# SP450M-60

## Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO45001:Environmental management systems
- ISO45001:2018 Occupational health and safety management systems

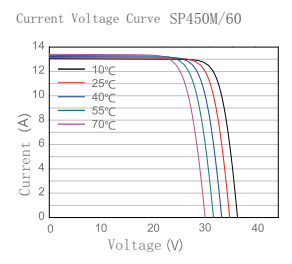
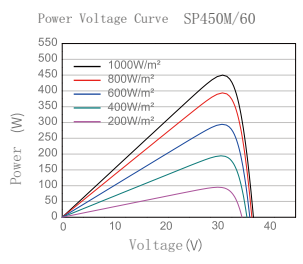
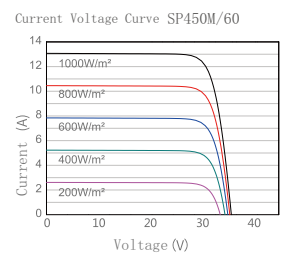


PS: Frame color and cable length can be customized

## Electrical Parameters at (STC)

Module	Power (W)	Module Efficiency (%)	Voltage at Pmax (Vmp)	Current at Pmax (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Power Tolerance (w)
SP450M	450W	20.80%	34.20	13.16	41.04	13.95	±3%

## Characteristics



Mechanical Parameters	
Solar Cell (Type/Size)	MONO (182mm)
Solar Cells Number	60Pcs (6x10)
Dimension	1909x1134x35mm
Weight	22.9Kg/Pcs
Tempered Glass	3.2 mm High Permeability Coated
Frame	Anodized aluminum alloy
Junction Box	IP67, 3*bypass diode
Cable	4.0mm², (+)1000mm/(-)1000mm
Connector	Original MC4/Compatible MC4
Mechanical Load	Front 5400PA/back 2400PA

Packing	
Module Type	SP450M-60
Carton Size	1930x1160x85mm
Number	2Pcs/Ctn
Weight	46Kg/Ctn
Volume	0.190Cbm/Ctn
20GP Container	316Pcs
40HQ Container	736Pcs

- STC: Light intensity 1000W/m<sup>2</sup> Battery temperature: 25°C atmosphere quality=15
- NOCT: Light intensity 800W/m<sup>2</sup> Battery temperature: 20°C atmosphere quality=15 wind velocity 1m/s