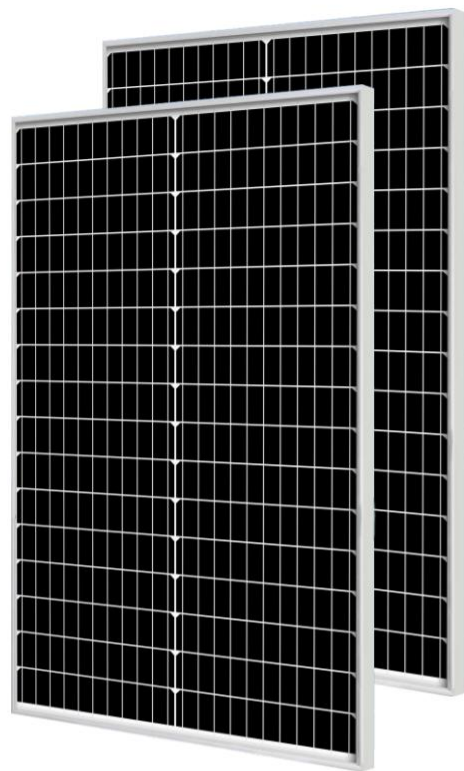


# Module Picture



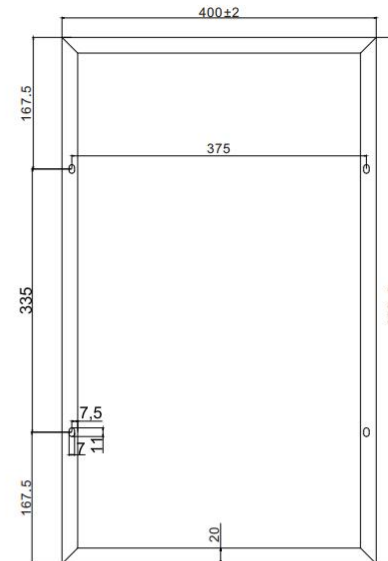
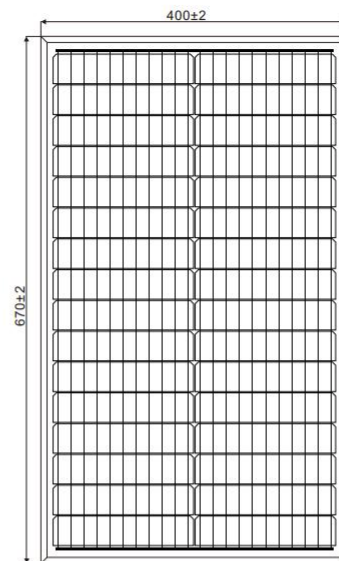
## SP050M-32

### Comprehensive Certificates

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



# Mechanical Diagrams



PS: Frame color and cable length can be customized

# Electrical Parameters at (STC)

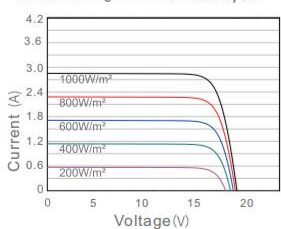
Module	Power (W)	Module Efficiency(%)	Voltage at Pmax(Vmp)	Current at Pmax(Imp)	Open Circuit Voltage(Voc)	Short Circuit Current(Isc)	Power Tolerance(w)
SP050M	50W	18.60%	18.24	2.74	21.80	2.97	±3%

Mechanical Parameters	
Solar Cell(Type/Size)	MONO(182mm)
Solar Cells Number	32Pcs(2x16)
Dimension	670x400x25mm
Weight	3.80Kg/Pcs
Tempered Glass	3.2 mm High Permeability Coated
Frame	Anodized aluminum alloy
Junction Box	IP67, 0*bypass diode
Cable	//
Connector	Original MC4/Compatible MC4
Mechanical Load	Front 5400PA/back 2400PA

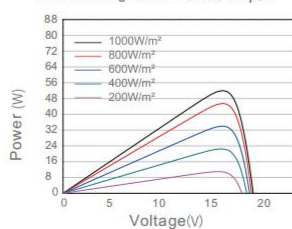
Packing	
Module Type	SP050M-32
Carton Size	700x430x170mm
Number	5Pcs/Ctn
Weight	20Kg/Ctn
Volume	0.052Cbm/Ctn
20GP Container	2690Pcs
40HQ Container	6540Pcs

# Characteristics

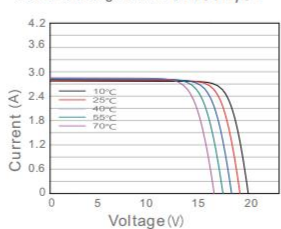
Current Voltage Curve SP050M/32



Power Voltage Curve SP050M/32



Current Voltage Curve SP050M/32



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