

# Solar N Plus New Energy Technology Co., LTD

<b>Produce Specification</b>	<b>Produce Name</b>	Monocrystalline High Efficiency PV Module	<b>Document Number</b>	
	<b>Document Name</b>	Spec. Of SP-M10/132H490-505W	<b>Version Number</b>	A/0

## Typical Electrical Characteristics at Standard Test Conditions (STC)

Typical Type	Unit	SP-M10/132H490W	SP- M10/132H495W	SP- M10/132H500W	SP- M10/132H505W
Max-Power	Pm(W)	490	495	500	505
Power Tolerance	W	0~+5			
Max-Power Voltage	Vm(V)	38.35	38.47	38.55	38.64
Max-Power Current	Im(A)	12.78	12.87	12.97	13.07
Open-Circuit Voltage	Voc(V)	45.37	45.47	45.55	45.65
Short-Circuit Current	Isc(A)	13.63	13.74	13.83	13.92

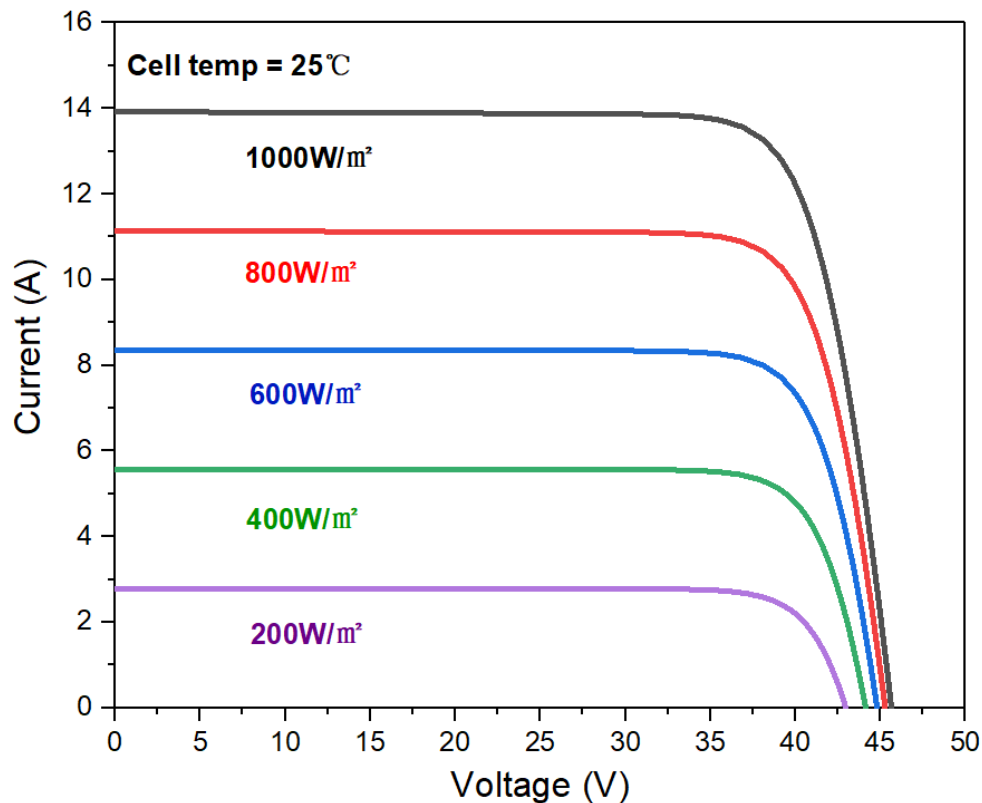
STC:AM=1.5, 1000W/m<sup>2</sup> irradiance, Module Temperature 25°C

<b>Certifications</b>	TUV
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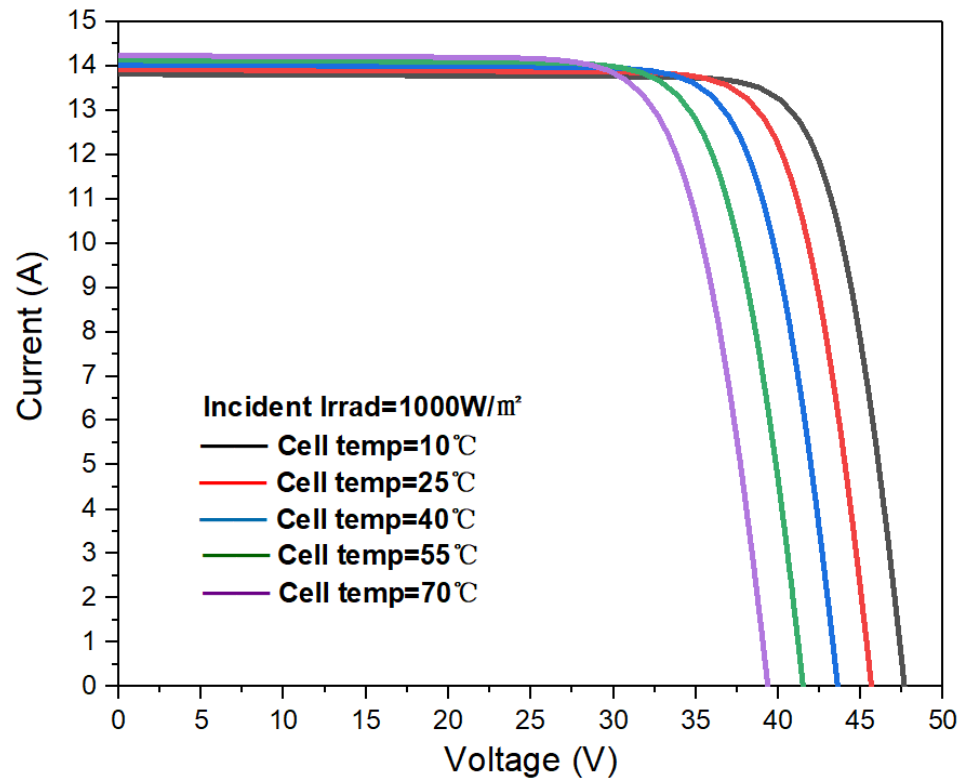
<b>OPERATING CONDITIONS</b>		<b>MECHANICAL PROPERTY</b>	
Max. system voltage	DC1500V(IEC)	Dimension(L×W×H)	2094mm×1134mm×35mm
Max. series fuse rating	25A	Weight	27.3kg
Operating temperature range	-40°C~+85°C	Cell	10BB single crystal / 182*91mm
Mechanical load	5400Pa/2400Pa	Glass type	Antireflection coated heat-enhanced glass /3.2mm
Max. hailstone impact(diameter/velocity)	Φ25mm hail, from 1 m of distance at 23 m/s	Frame	Anodized Aluminum alloy
Application Class	Class A	Junction Box	IP68
Fire Class	Class C	Cable	4mm <sup>2</sup> ,300mm or Customized•Length
		Connector	MC4 Compatible

## IV Curve

I-V Curves of SP-M10/132H505W at different irradiance



I-V Curves of SP-M10/132H505W at different cell temperature



## Performance Warranty

Within the first year from the date of installation and normal operation, the output power shall not be less than 98 % of the product's minimum output power as set forth in the specifications, Afterwards, maximum 0.55% output decrease per year. After 25 years, the product's output power shall not be less than 84.8% of its minimum output power as set forth in the specifications.

# Dimensions

