

# 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-M10/156HG580-600W	<b>Version Number</b>	A/0

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

Typical Type	Unit	SP-M10/156HG580W	SP-M10/156HG585W	SP-M10/156HG590W	SP-M10/156HG595W	SP-M10/156HG600W
Max-Power	Pm(W)	580	585	590	595	600
Power Tolerance	W	0~+5				
Max-Power Voltage	Vm(V)	45.10	45.25	45.40	45.55	45.70
Max-Power Current	Im(A)	12.86	12.93	13.00	13.06	13.13
Open-Circuit Voltage	Voc(V)	53.50	53.65	53.80	53.95	54.10
Short-Circuit Current	Isc(A)	13.75	13.81	13.87	13.93	13.99

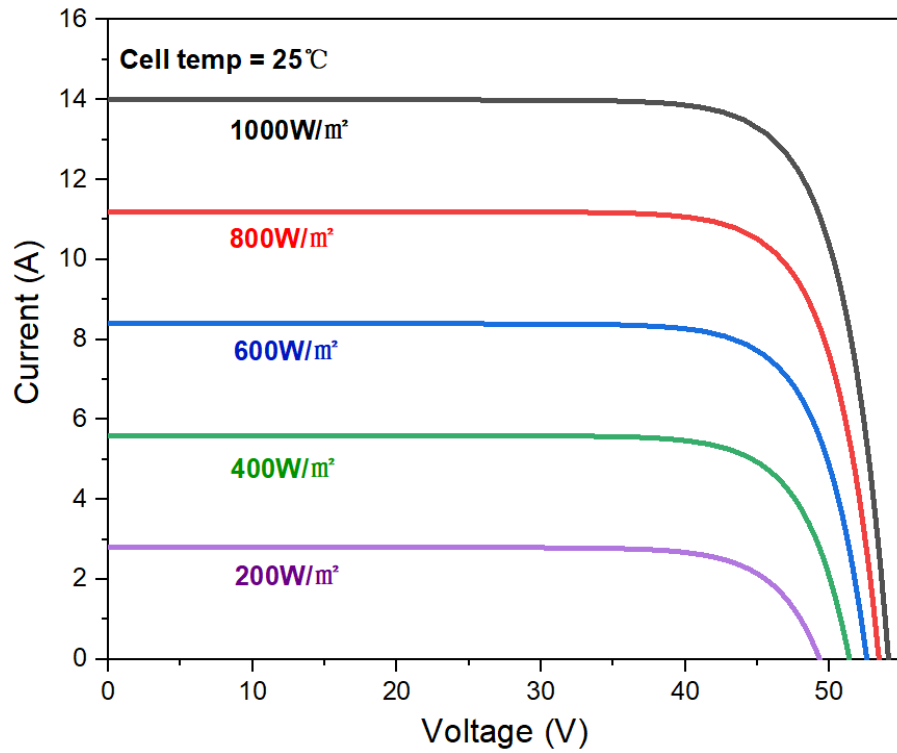
STC:AM=1.5, 1000W/m<sup>2</sup> irradiance, Module Temperature 25°C

<b>Certifications</b>	TUV
-----------------------	-----

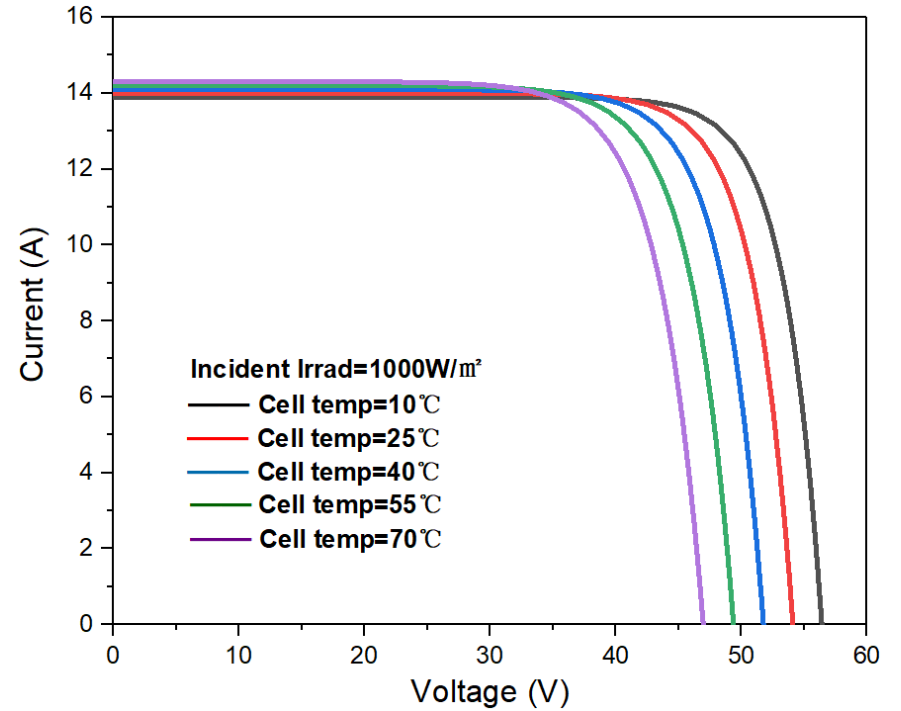
<b>OPERATING CONDITIONS</b>		<b>MECHANICAL PROPERTY</b>	
Max. system voltage	DC1500V(IEC)	Dimension(L×W×H)	2465mm×1134mm×35mm
Max. series fuse rating	25A	Weight	34.6kg
Operating temperature range	-40°C~+85°C	Cell	10BB single crystal / 182*91mm
Mechanical load	5400Pa/2400Pa	Glass type	Antireflection coated heat-enhanced glass /2.0mm
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-M10/156HG600W at different irradiance



I-V Curves of SP-M10/156HG600W 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 0.45% output decrease per year. After 30 years, the product's output power shall not be less than 84.95% of its minimum output power as set forth in the specifications.

# Dimensions

