

Solar N Plus New Energy Technology Co., LTD

Produce Specification	Produce Name	Monocrystalline High Efficiency PV Module	Document Number	
	Document Name	Spec. Of SP-M10/144H530-560W	Version Number	A/0

Typical Electrical Characteristics at Standard Test Conditions (STC)

Typical Type	Unit	SP- M10/144H530W	SP- M10/144H535W	SP- M10/144H540W	SP- M10/144H545W	SP- M10/144H550W	SP- M10/144H555W	SP- M10/144H560W
Max-Power	Pm(W)	530	535	540	545	550	555	560
Power Tolerance	W	0~+5						
Max-Power Voltage	Vm(V)	41.48	41.77	42.06	42.35	42.64	42.93	43.22
Max-Power Current	Im(A)	12.78	12.81	12.84	12.87	12.90	12.93	12.96
Open-Circuit Voltage	Voc(V)	49.22	49.32	49.42	49.52	49.62	49.72	49.82
Short-Circuit Current	Isc(A)	13.67	13.76	13.85	13.94	14.03	14.12	14.21

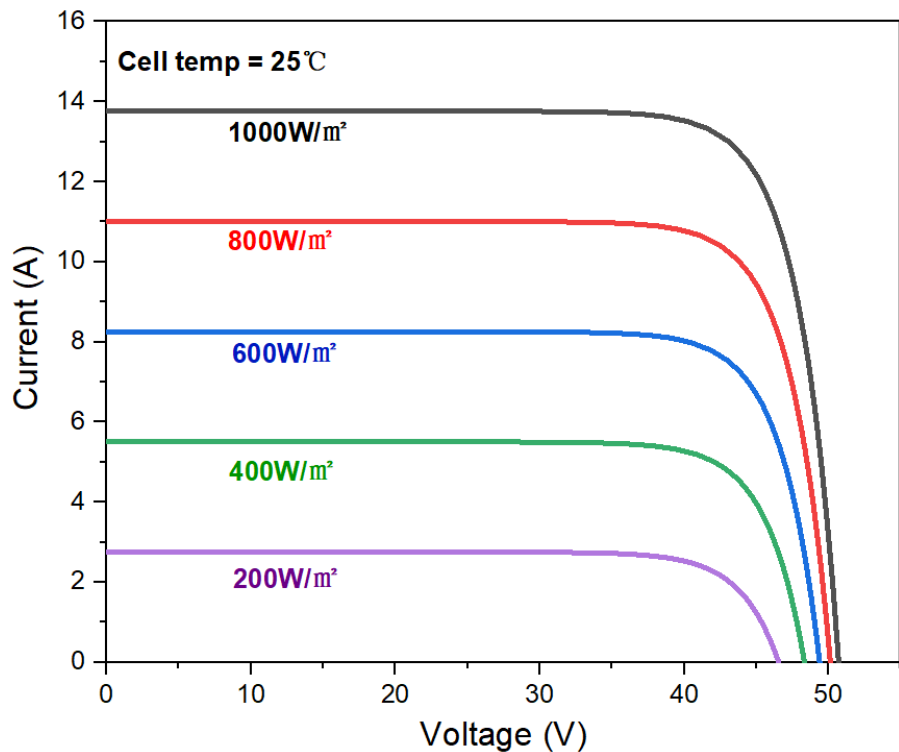
STC:AM=1.5, 1000W/m² irradiance, Module Temperature 25°C

Certifications	TUV
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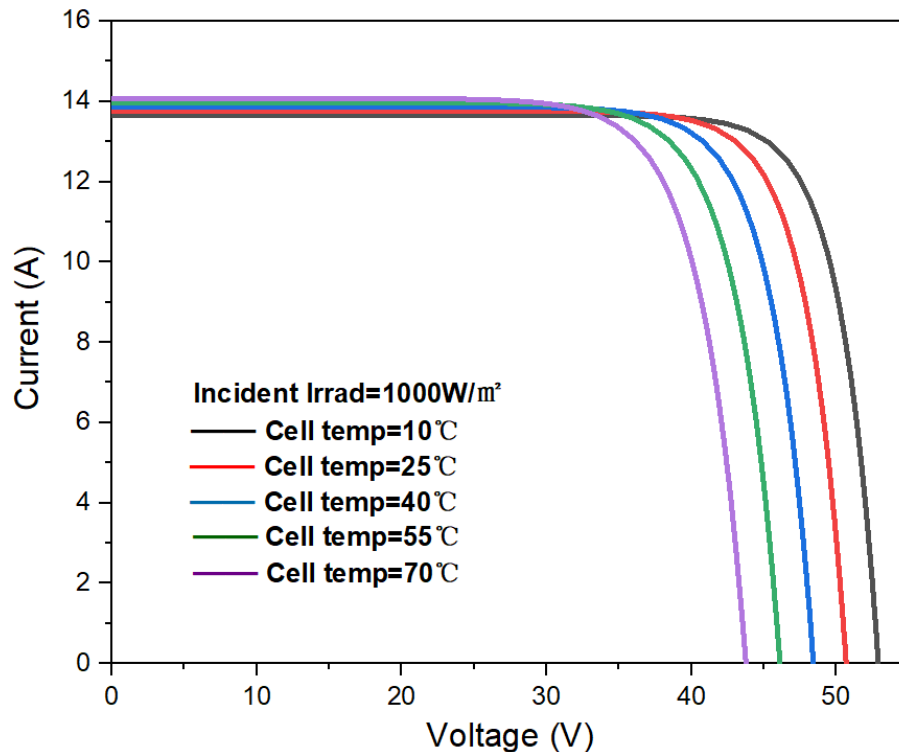
OPERATING CONDITIONS		MECHANICAL PROPERTY	
Max. system voltage	DC1500V(IEC)	Dimension(L×W×H)	2278mm×1134mm×35mm
Max. series fuse rating	25A	Weight	28.0kg
Operating temperature range	-40°C~+85°C	Cell	10BB single crystal / 182*91mm
Mechanical load	5400Pa/2400Pa	Glass type	Antireflection coated heat-enhanced 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 ² ,300mm or Customized•Length
		Connector	MC4 Compatible

IV Curve

I-V Curves of SP-M10/144H560W at different irradiance



I-V Curves of SP-M10/144H560W 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

