

Solar N Plus New Energy Technology Co., LTD

Produce Specification	Produce Name	Monocrystalline High Efficiency PV Module	Document Number	
	Document Name	Spec. Of SP-G12/132HG645-675W	Version Number	A/0

Typical Electrical Characteristics at Standard Test Conditions (STC)

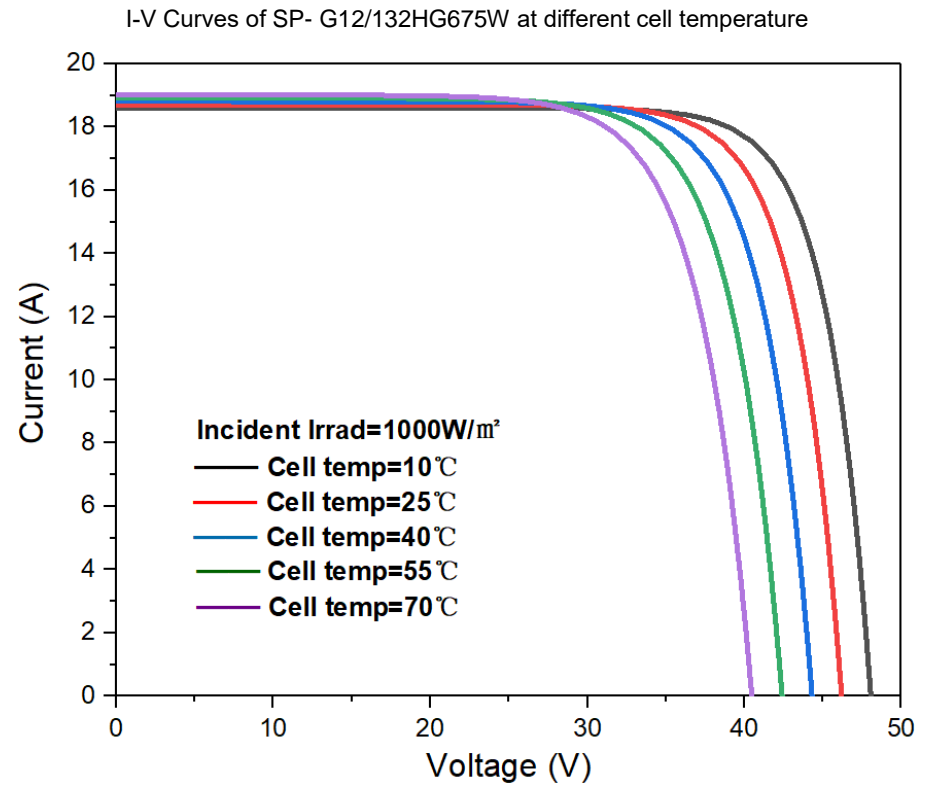
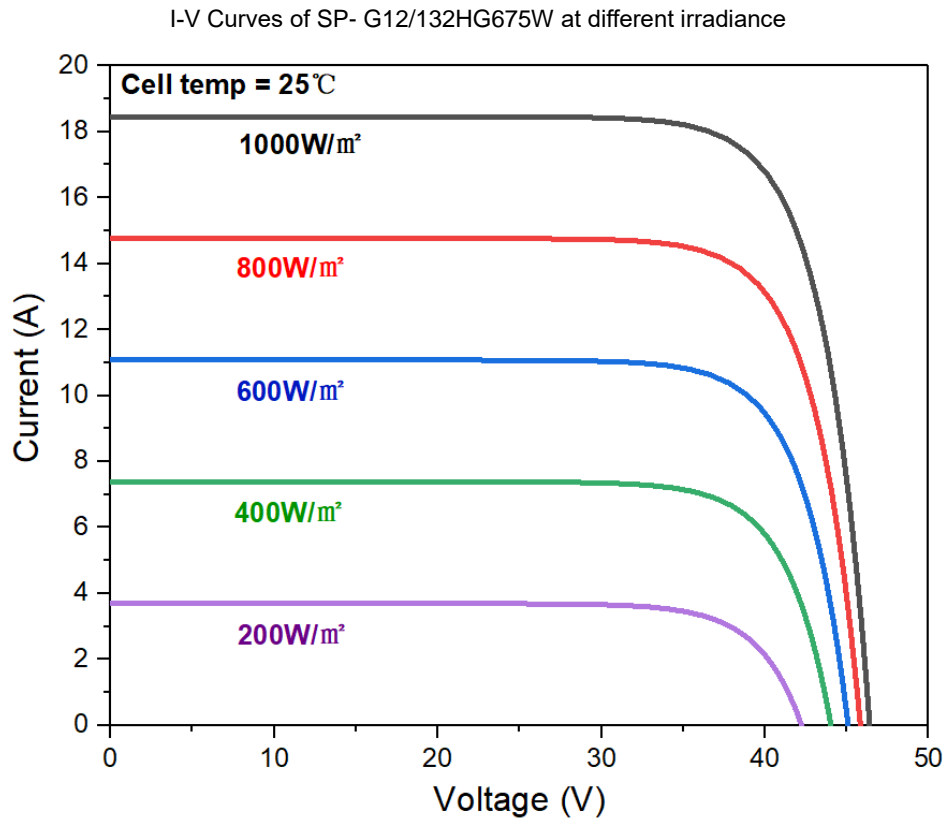
Typical Type	Unit	SP-G12/132HG645W	SP-G12/132HG650W	SP-G12/132HG655W	SP-G12/132HG660W	SP-G12/132HG665W	SP-G12/132HG670W	SP-G12/132HG675W
Max-Power	Pm(W)	645	650	655	660	665	670	675
Power Tolerance	W	0~+5						
Max-Power Voltage	Vm(V)	37.40	37.60	37.80	38.00	38.20	38.40	38.60
Max-Power Current	Im(A)	17.25	17.29	17.33	17.37	17.41	17.45	17.49
Open-Circuit Voltage	Voc(V)	45.00	45.20	45.40	45.60	45.80	46.00	46.20
Short-Circuit Current	Isc(A)	18.41	18.46	18.50	18.55	18.60	18.65	18.70

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)	2385mm×1303mm×30mm
Max. series fuse rating	30A	Weight	38.7kg
Operating temperature range	-40°C~+85°C	Cell	12BB single crystal / 210*105mm
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 ² ,300mm or Customized•Length
		Connector	MC4 Compatible

IV Curve



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

