Flex Series

S-FLEX 6 · 310-330W

MWT Mono PERC Flexible Module

20.1%

Module efficiency up to 20.1%

Features

Light, Thin Design
1.4mm thickness, 4.0kg weight, leading level in PV industry

BIPV Application
Further integrate with buildings in terms of shape and installation for BIPV application

High Reliability
Conductive back sheet 2D encapsulation without soldering, resulted lower degradation under multiple extreme testing condition

Ultra Flexible
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.25m

High Efficiency
MWT back contact cell and modules with busbar-free design and higher efficiency

Lead Free
Eco-friendly PV design achieves Lead-free MWT module without soldering materials

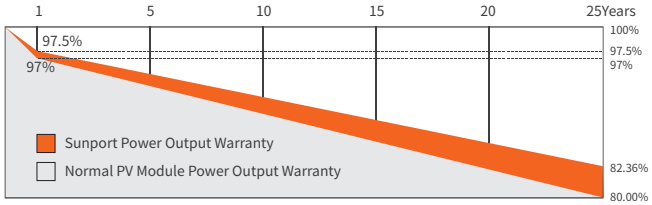
Reinsurance Coverage for 25 Years

12year Quality Warranty

25year Performance Warranty

Insured by LLOYD'S

LLOYD'S



※1st year degradation less than 2.5%, 25 years power output 82.36% guaranteed.

Comprehensive Qualifications & Certifications

★ ISO 9001: 2015 Quality Management System

★ ISO 14001: 2015 Environment Management System

★ ISO 45001: 2018 Occupation Health Safety Management System

Jiangsu Sunport Power Corp., Ltd

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Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP310M60S	SPP315M60S	SPP320M60S	SPP325M60S	SPP330M60S
Max-Power(Pm)	W	310	315	320	325	330
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	32.8	33.0	33.2	33.4	33.6
Max-Power Current(Im)	A	9.45	9.55	9.64	9.73	9.82
Open-Circuit Voltage(Voc)	V	39.9	40.1	40.3	40.5	40.7
Short-Circuit Current(Isc)	A	9.83	9.90	9.99	10.08	10.20
Module Efficiency(ηm)	%	18.9	19.2	19.5	19.8	20.1
STC: AM=1.5，Irradiation 1000W/m^2，Module Temperature 25°C						

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP310M60S	SPP315M60S	SPP320M60S	SPP325M60S	SPP330M60S
Max-Power(Pm)	W	232	236	240	244	248
Max-Power Voltage(Vm)	V	30.0	30.2	30.4	30.6	30.8
Max-Power Current(Im)	A	7.73	7.81	7.89	7.97	8.05
Open-Circuit Voltage(Voc)	V	36.5	36.6	36.7	36.8	36.9
Short-Circuit Current(Isc)	A	8.05	8.12	8.20	8.30	8.41
NMOT: Irradiation 800W/m^2, Ambient temperature 20°C, Wind Speed 1m/s						

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	0.06%/°C

Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	15A
Operating temperature range	-40°C～+85°C
Bending radius	>0.20m

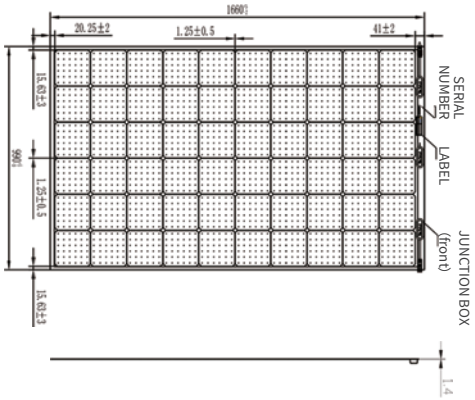
Mechanical Characteristics

Effective Module Dimension(L×W×H)	1660*990*1.4mm
Weight	4.0 kg
Back material	Back Sheet(white)
Cell (quantity / material / type / dimensions)	60(10x6) / Mono / 158.75mm
Encapsulant	EVA/POE
Frame	None
Junction box(protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm^2
Connector	MC4 Compatible

Package

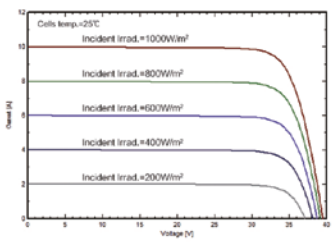
Container Size	Quantity(pcs)	Quantity(per pallet)
40' HQ	1196	46

Module Size



I-V Curve

I-V Curves of SPP320M60S at different irradiance



I-V Curves of SPP320M60S at different cell temperature