Benchmark II SPP350-380P72H

350-380W MWT Module（1500V）

Poly 72 Cells

19.6%

Module efficiency up to 19.6%

MWT Solar Cell

- New cell structure and different manufacturing process.
- No bus-bar on the front. 3% less shadow and better use of sunlight.
- Effectively avoid the micro crack caused by the pressure between cell edge and ribbon.
- Compatible with other cell types including PERC, HIT, Black Silicon etc.

Insured by PICC and LLOYD'S

PICC LLOYD'S

Comprehensive Qualifications & Certifications

★IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 60068-2-68.
★CQC&CGC Top Runner Advanced Technology Certification (4A class)
★ISO 9001：2015 Quality Management System
★ISO 14001：2015 Environment Management System
★OHSAS 18001：2007 Occupation Health Safety Management System
★ TUV NORD and UK NQA Quality System Certification

Benchmark MWT PV Module

Higher Efficiency

The highest efficiency of the series is up to 19.6%.

Higher Yield

Higher power generation on the same installation.

Lower Degradation

At least 98% of the initial effective output at the 1st year and 80.2% at the 30th year.

Heat-Resistant

Remain peak performance in hot days thanks to the improved temperature coefficient as low as -0.36%/℃.

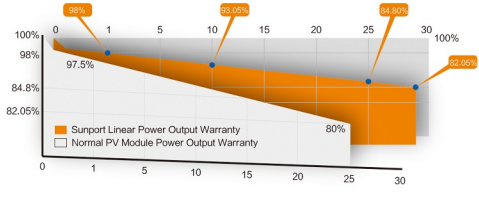
Corrosion-Resistant

Certified for Ammonia Resistance and Salt Mist Corrosion to maximum severity level 6.

Anti-PID

Certified for Anti-PID under 85℃/85%RH, for 288hrs.

30 Years Performance Warranty



Jiangsu Sunport Power Corp.,Ltd
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Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP350P72H	SPP355P72H	SPP360P72H	SPP365P72H	SPP370P72H	SPP375P72H	SPP380P72H
Max-Power(Pm)	W	350	355	360	365	370	375	380
Power Tolerance	%				0~+3%			
Max-Power Voltage(Vm)	V	37.5	37.7	37.9	38.1	38.3	38.5	38.7
Max-Power Current(Im)	A	9.34	9.42	9.50	9.59	9.67	9.75	9.83
Open-Circuit Voltage(Voc)	V	46.4	46.6	46.8	47.0	47.2	47.4	47.6
Short-Circuit Current(Isc)	A	9.79	9.86	9.92	9.98	10.04	10.10	10.16
Module Efficiency(η m)	%	18.1	18.3	18.6	18.8	19.1	19.3	19.6

STC:AM=1.5，Irradiation 1000W/m²，Module Temperature 25℃

Electrical Characteristics at Nominal Module Operating Temperature（NMOT）

Spec/Model	Unit	SPP350P72H	SPP355P72H	SPP360P72H	SPP365P72H	SPP370P72H	SPP375P72H	SPP380P72H
Max-Power(Pm)	W	260	264	268	272	276	279	283
Max-Power Voltage(Vm)	V	34.2	34.4	34.6	34.8	35.0	35.1	35.3
Max-Power Current(Im)	A	7.61	7.68	7.75	7.82	7.89	7.95	8.02
Open-Circuit Voltage(Voc)	V	42.6	42.7	42.8	42.9	43.0	43.1	43.3
Short-Circuit Current(Isc)	A	7.95	8.02	8.09	8.15	8.20	8.25	8.31

NMOT: Irradiation 800W/m², ambient temperature 20℃,Wind Speed 1m/s

Temperature Coefficient

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

Package

Container Size	Quantity(pcs)	Quantity(pallet)
20’GP	260	10
40’GP	624	24
40’HC	624	24

Mechanical Property

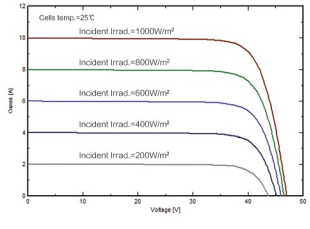
Dimension(L×W×H)	1956mmx992mmx40mm
Weight	22.5kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	72(12x6)/Poly/ 6inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP65 & IP67
Cable	1200mm / 4mm²
Connector	MC4 Compatible

Operating Conditions

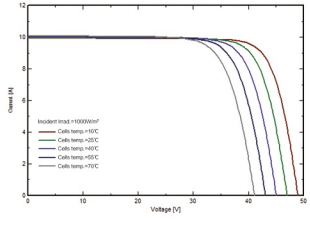
Max System Voltage	DC1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40℃ ~ +85℃
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	ϕ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

I-V Curve

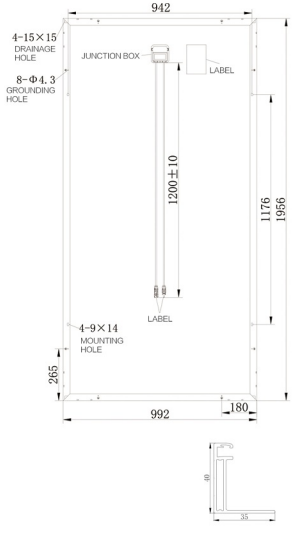
I-V Curve at different irradiation（SPP365P72H）



I-V Curve at different temperature（SPP365P72H）



Module Size



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