

Benchmark II SPP350-380P72G

350-380W MWT Double Glass Module

Poly 72 Cells

19.5%

Module efficiency up to 19.5%

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 19.5%.



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 $-0.36\%/^{\circ}\text{C}$.



Corrosion-Resistant

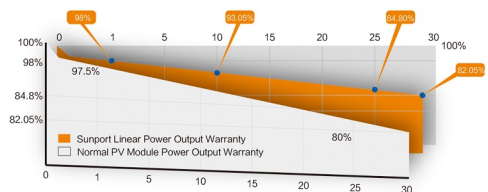
Certified for Ammonia Resistance and Salt Mist Corrosion to maximum severity level 6.



Anti-PID

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

30 Years Performance Warranty



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP350P72G	SPP355P72G	SPP360P72G	SPP365P72G	SPP370P72G	SPP375P72G	SPP380P72G
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(I _m)	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)	%	17.9	18.2	18.5	18.7	19.0	19.2	19.5
STC:AM=1.5, Irradiation 1000W/m ² , Module Temperature 25°C								

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP350P72G	SPP355P72G	SPP360P72G	SPP365P72G	SPP370P72G	SPP375P72G	SPP380P72G
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(I _m)	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/m ² , ambient temperature 20°C, Wind Speed 1m/s								

Temperature Coefficient

Nominal Module Operating Temperature	43 ± 2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Mechanical Property

Dimension(L × W × H)	1968mm×992mm×6mm 1972mm×996mm×6mm(Including EVA on the Edge)
Weight	27.5kg
Glass Type	Right Side: High transparent antireflection coating semi-tempered glass, 2.5mm Back Side: Flat Blow semi-tempered Glass, 2.5mm
Solar Cell	72(12x6)/Poly/6 inches
Encapsulant	Transparent EVA
Insulating Material	EPE, White
Frame	No Frame
Junction Box	IP67 & IP68
Cable	1200mm / 4mm ²
Connector	MC4 Compatible

Operating Conditions

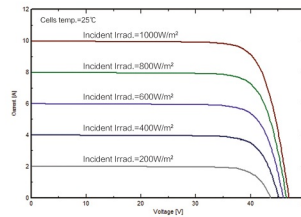
Max System Voltage	DC1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	φ 25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

Package

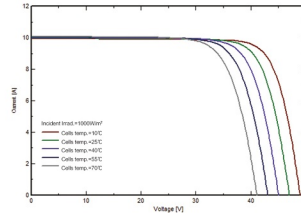
Container Size	Quantity(pcs)	Quantity(pallet)
20' GP	330	10
40' GP	726	22
40' HC	726	22

I-V Curve

I-V Curve at different irradiation (SPP365P72G)



I-V Curve at different temperature (SPP365P72G)



Module Size

