

Benchmark II SPP350-380P72

350-380W MWT Module

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 96% 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

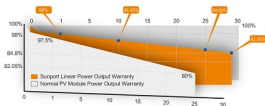
Certified for Ammonia Resistance and Salt Mist Corrosion to maximum severity level 6.



Anti-PID

Certified for Anti-PID under $85^{\circ}\text{C}/85\%\text{RH}$, for 288hrs.

30 Years Performance Warranty



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP350P72	SPP355P72	SPP360P72	SPP365P72	SPP370P72	SPP375P72	SPP380P72
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	38.6	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(I _{sc})	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°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP350P72	SPP355P72	SPP360P72	SPP365P72	SPP370P72	SPP375P72	SPP380P72
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(I _{sc})	A	7.95	8.02	8.09	8.15	8.20	8.25	8.31

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

Temperature Coefficient

Nominal Operating Cell 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

Package

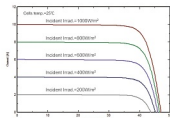
Container Size	Quantity (pcs)	Quantity (palette)
20' GP	260	10
40' GP	624	24
40' HC	624	24

Mechanical Property

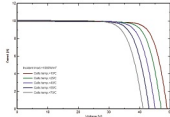
Dimension(L × W × H)	1956mm×992mm×40mm
Weight	22.5kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass 3.2mm
Solar Cell	72(12x6)Poly/6inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP65 & IP67
Cable	1200mm / 4mm ²
Connector	MC4 Compatible

I-V Curve

I-V Curve at different irradiation (SPP365P72)



I-V Curve at different temperature (SPP365P72)



Module Size



Operating Conditions

Max System Voltage	DC1000V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~ +85°C
Mechanical Load	5400Pa(2400Pa)
Max Allowable Hail Load	Φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

