

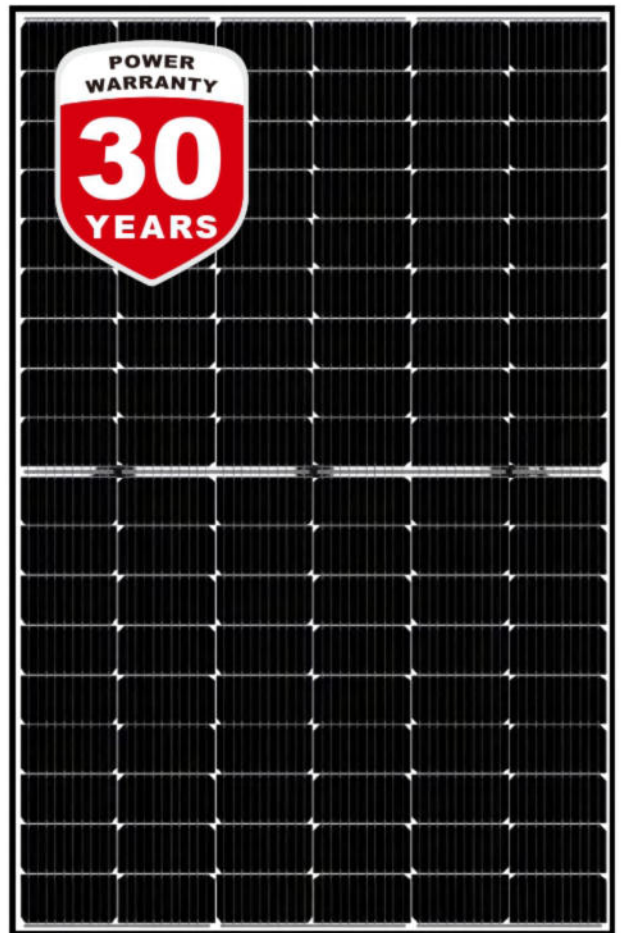
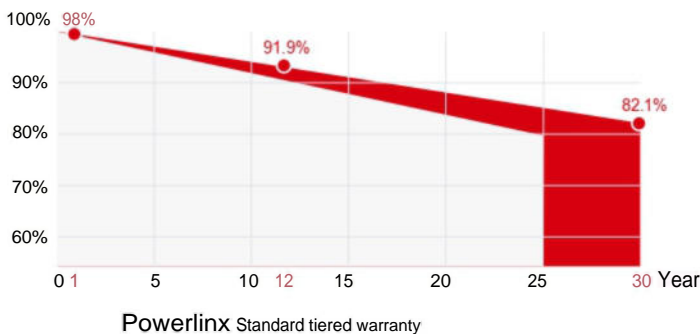
M10 HI-EFFTWIN MONO

PW xxx-108M10
390-415W

- Bifacial Transparent
- Double glass
- Black frame
- Silver frame

15 Yr quality guarantee | 30 Yr power warranty

Powerlinx (Additional value from 30-year warranty)
 Industry Standard



WARRANTY & GUARANTEE

Linear output power guarantee
 12 years: 91.9% power output
 30 years: 82.1% power output

WITHSTAND STRONG

Snow load 5400Pa
 Wind load 2400Pa

TWO-SIDED BENEFITS

High efficiency solar cells.
 Effective working area of both sides >75%, with significant power increase. Capture more sunlight and turn it into electricity

R&D AND PRODUCTION

Advanced production line. The leading solar cell cutting process and multi busbar design with SUNPRO Technology.

HIGH EFFICIENCY

Efficiency can reach 21.23%. Excellent low light performance. Higher power output under the conditions of haze, overcast, etc.

Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m2 ,Cells Temperature25°C)

Typical type	390W	395W	400W	405W	410W	415W
Max power(Pmax)	390	395	400	405	410	415
Max power voltage(Vmp)	30.41	30.62	30.83	31.04	31.25	31.47
Max power current(Imp)	12.83	12.90	12.98	13.05	13.12	13.19
Open circuit voltage(Voc)	36.53	36.73	36.93	37.13	37.33	37.53
Short circuit current(Isc)	13.62	13.69	13.76	13.83	13.90	13.97
Module Efficiency(%)	19.95	20.20	20.46	20.72	20.97	21.23
Max system voltage	DC 1500V(TUV,UL)					
Maximum Series Fuse Rating	30A					

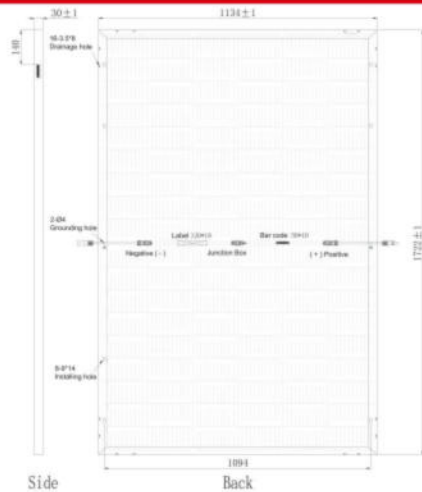
Electrical parameters at NMOT test conditions (Irradiance 800WZm2,Ambient Temperature 20°C,AM 1.5,Wind Speed 1m/s)

Typical type	390W	395W	400W	405W	410W	415W
Max power(Pmax)	292	296	300	304	307	311
Max power voltage(Vmp)	28.20	28.40	28.60	28.80	29.10	29.20
Max power current(Imp)	10.34	10.40	10.46	10.52	10.58	10.65
Open circuit voltage(Voc)	34.20	34.50	34.70	34.90	35.10	35.30
Short circuit current(Isc)	10.98	11.04	11.09	11.15	11.20	11.26

Electrical Characteristics with 15% Rear Side Power Gain

Front power PmaxZW	390W	395W	400W	405W	410W	415W
Total power Pmax/W	448.5	454.25	460	465.75	471.5	477.25
VmpZV(Total)	30.41	30.62	30.83	31.04	31.25	31.47
ImpZA(Total)	14.75	14.84	14.92	15.00	15.09	15.17
Voc/V(Total)	36.53	36.73	36.93	37.13	37.33	37.53
IscZA(Total)	15.66	15.74	15.82	15.90	15.98	16.07

DIMENSIONS AND STRUCTURE



Mechanical Data

Dimensions	1722x1134x30mm
Weight	25.5kg
Glass	(F) 2.0mm ultra clear embossed semi-tempered coated glass (B) 2.0mm semi-tempered glass
Output cables	4mm ² , symmetrical lengths 1100mm
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline PERC, 182x91mm
Number of cells	108cells (Half-Cell)

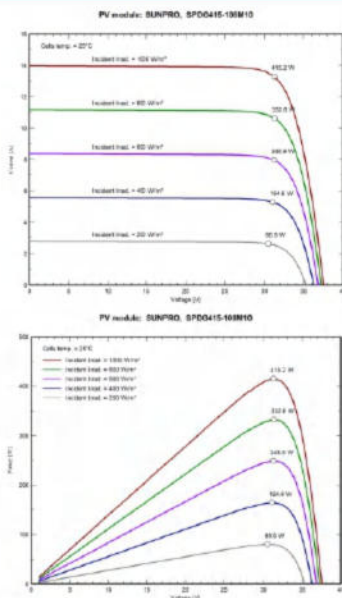
Temperature Characteristics

Temp Coeff of Isc(TK Isc)	0.048%/°C
Temp Coeff of Voc(TK Voc)	-0.27%/°C
Temp Coeff of Pmax(TK Pmax)	-0.34%/°C
Operating temperature	-40—+85°C
Normal operating cell temperature	44±2°C

Packing Configuration

Container	40'HQ
Pieces per pallet	72
Pallets per container	13
Pieces per container	936

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730, IEC 61701, IEC 62716, PPP 58042
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TUV, CE, UL, WEEE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+3%
Junction box	IP 68
Warranties	15 years product warranty and 30 years 82.1% of power