



RICH SOLAR

Half-Cell SERIES

ZPM360 ~ 380PH-78

Half-Cell Polycrystalline Silicon PV Modules



HIGH OUTPUT POWER

Output power is higher than the same type of conventional polycrystalline modules



ANTI-PID CHARACTERISTICS

Ensure large-scale production of half-cell polycrystalline modules pass PID test



HOT-SPOT EFFECT

Excellent hot-spot immunity, can effectively avoid the power loss caused by shadow coverage, significantly extend life span



LOAD CAPACITY

Certified to withstand wind load(2400 Pascal)and snow load(5400 Pascal)

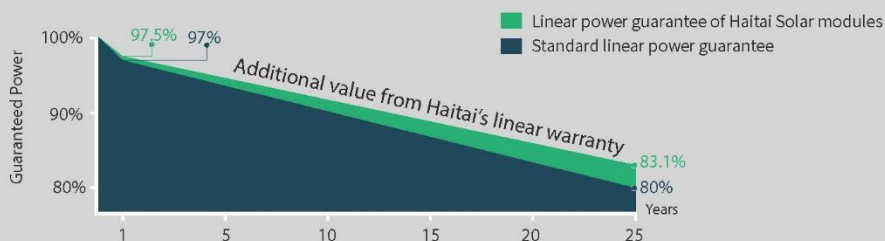


HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



Mechanical Data

Cell Type	156.75×78.375mmPoly
Cell Orientation	156(6×26)
Module Dimensions	2136×992×35mm
Weight	23.5kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm ² positive pole: 250 mm negative pole: 300 mm wire length can be customized
Connector	MC4 compatible connector

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Electrical Data (STC)

Maximum Power (Pmax/W)	360	365	370	375	380
Open Circuit Voltage (Voc/V)	50.48	50.68	50.88	51.08	51.28
Short Circuit Current (Isc/A)	9.14	9.23	9.32	9.41	9.50
Voltage at Maximum Power (Vmp/V)	41.21	41.41	41.61	41.81	42.01
Current at Maximum Power (Imp/A)	8.74	8.82	8.90	8.97	9.05
Module Efficiency (%)	16.99	17.23	17.46	17.70	17.93

Electrical Data (NMOT)

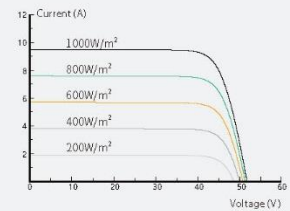
Maximum Power (Pmax/W)	266	270	274	278	282
Open Circuit Voltage (Voc/V)	46.26	46.46	46.66	46.86	47.06
Short Circuit Current (Isc/A)	7.52	7.60	7.67	7.74	7.80
Voltage at Maximum Power (Vmp/V)	38.23	38.43	38.63	38.83	39.03
Current at Maximum Power (Imp/A)	6.96	7.03	7.10	7.16	7.23

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

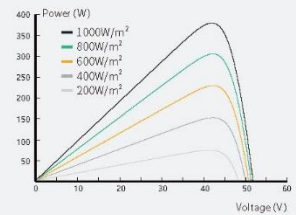
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

I-V Curve

Current-Voltage Curve(380W)



Power-Voltage Curve(380W)



Temperature Coefficients

Temperature Coefficient (Pm)	-0.370%/°C
Temperature Coefficient (Voc)	-0.290%/°C
Temperature Coefficient (Isc)	0.050%/°C

Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Module Operating Temperature)	41±3°C

Packaging

Modules Per Pallet: 31+31pcs/31+31+4 pcs
Modules Per 40'HQ Container: 620pcs/660 pcs

Module Dimensions (mm)

