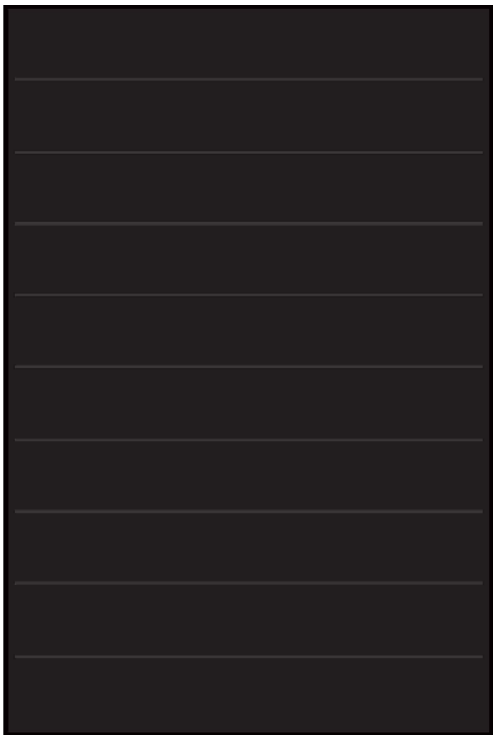
WP430PM5-60SB

Monocrystalline PERC solar module



KEY features

Technology
Technology provides ultra -high efficiency
Maximizes installation capacity in limited space.

Beautiful appearance
Best choice of C&I, residential applications.

Enhanced weather resistance
Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments.

Reduce system cost
High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs

Strong compatibility
Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.

Anti-PID and low LID
To ensure higher actual yield during lifetime.

15 year material process warranty

25 year linear power output warranty

Complete system and product certifications

IEC 61215/61730、IEC62804(PID)、IEC61701(Salt)、IEC62716(Ammonia)

ISO 9001:2015 / Quality management System

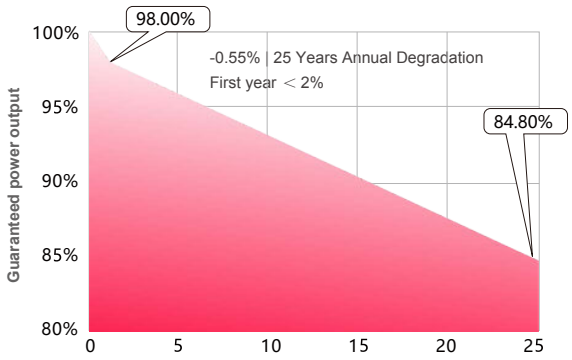
ISO 14001:2015 / Environmental management System

ISO 45001:2018 / Occupational health and safety Management System

ISO 50001:2011 / Energy management Systems

IEC TS 62941-2016 / Photovoltaic industry Quality management System

Warranty



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Electrical Characteristics at Standard Test Conditions(STC)

Module Type:WPxxxPM5-60SB	430	420	415	410	405
Maximum Power-Pm [W]	430	420	415	410	405
Open Circuit Voltage-Voc [V]	47.0	46.8	46.7	46.6	46.5
Short Circuit Current-Isc [A]	11.27	11.17	11.12	11.07	11.02
Maximum Power Voltage-Vm [V]	39.2	39.0	38.9	38.8	38.7
Maximum Power Current-Im [A]	10.97	10.77	10.67	10.57	10.47
Module Efficiency-η [%]	21.7	21.3	21.1	20.9	20.7

Electrical Characteristics at NMOT

Maximum Power-Pm [W]	325	317	313	309	305
Open Circuit Voltage-Voc [V]	44.8	44.6	44.5	44.4	44.3
Short Circuit Current-Isc [A]	9.09	9.01	8.97	8.93	8.89
Maximum Power Voltage-Vm [V]	37.4	37.2	37.1	37.0	36.9
Maximum Power Current-Im [A]	8.71	8.53	8.44	8.35	8.27

Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5 ; ambient temperature 25℃ according to EN 60904-3;
2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s ; ambient temperature 20℃ .
3. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ± 3%.

Temperature Characteristics

NMOT	42.3℃（±2℃）
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	0.04%/℃
Temperature Coefficient of Pm	-0.34%/℃

Maximum Ratings

Maximum System Voltage [V]	DC 1500(IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5400
Temperature Range [°C]	– 40~+ 85

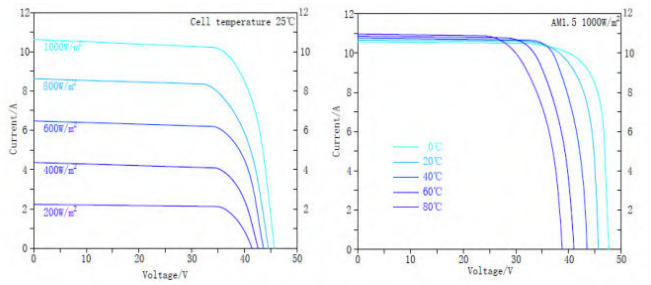
Package

Size	1719×1140×35mm
Number of panels per pallet	31
Number of pallets per 40'GP container	26
Number of modules per container	806

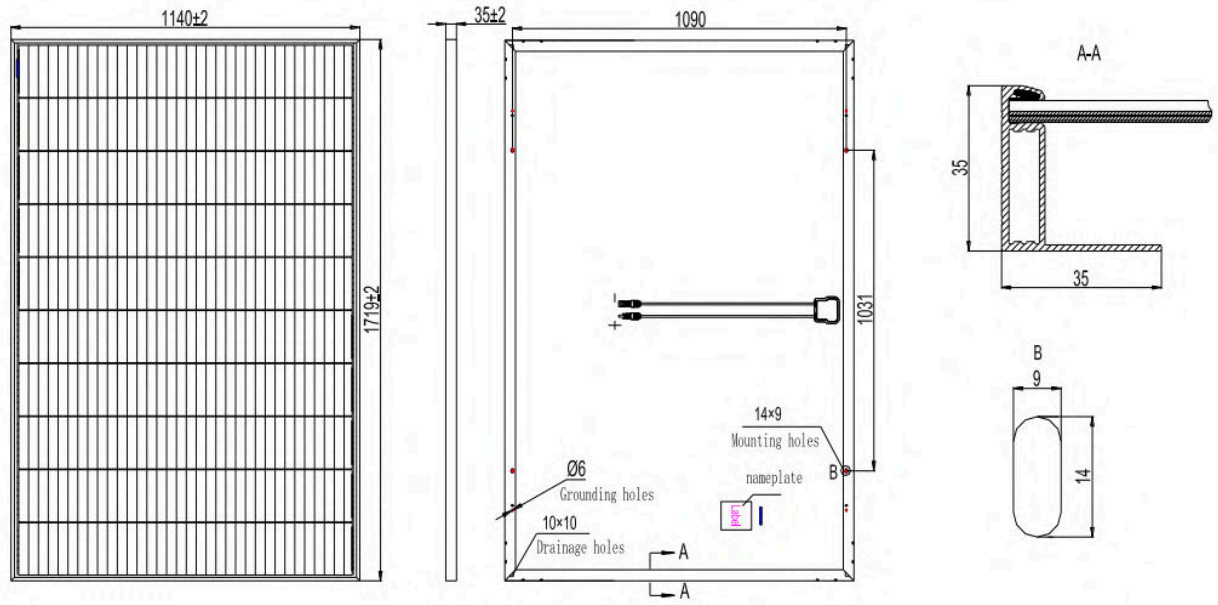
Mechanical Characteristics

Dimensions	1719×1140×35 mm (L×W×H)
Weight	22kg
Front Glass	AR coating tempered glass, 3.2mm
Cells	166x166mm PERC solar cells
Back Sheet	high weatherability back sheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	1000mm, 4mm ²
Connector	Compatible with MC4/original

I-V curve



Drawing



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