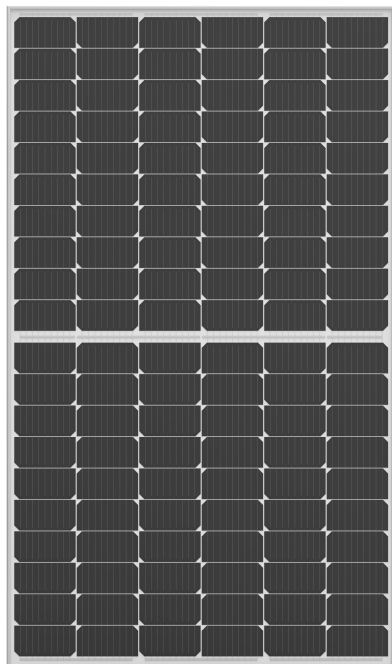


Your Module X-generation!



Yimeixu WitChip Energy Hitech Co., Ltd. is a leading supplier of intelligent solar energy system solutions. Yimeixu was founded in 2015 with registered capital of 45 million US dollars. It is located in Quzhou, Zhejiang Province, near Shanghai and occupies 84,000m². After years of practice, Yimeixu independently developed the series of "Sol y Smart" products including module-level MPPT smart optimization chip, smart optimizer, smart module and smart operation and maintenance system, which greatly reduced the cost of smart systems. Till the end of 2019, Yimeixu has accumulated total delivery over 4.0GW of mono modules.

Big Cells Half-cut Bifacial PERC Modules

High Efficiency

Low LID Bifacial PERC(166×166) With Half-cut Technology

Front side performance equivalent to conventional low LID mono PERC

High module conversion efficiency (up to 20.6%)

Better energy yield with excellent low irradiance performance and temperature coefficient

First year power degradation <2%

Bifacial technology enables additional energy harvesting from rear side (up to 25%)

Glass/glass lamination ensures 30 year product lifetime, with annual power degradation <0.45%, 1500V compatible to reduce BOS cost

30mm frame design enables easy installation and robust mechanical strength

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

Reduced resistive loss with lower operating current

Higher energy yield with lower operating temperature

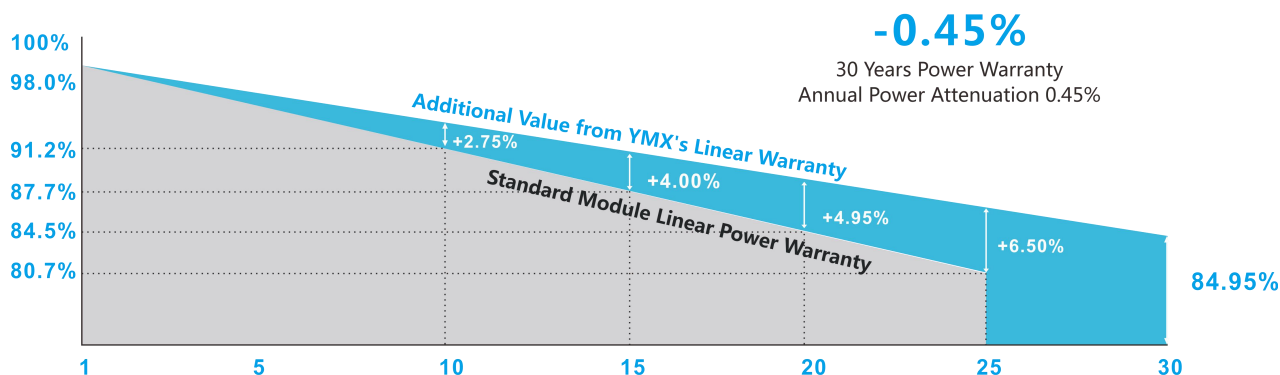
Reduced hot spot risk with optimized electrical design and lower operating current

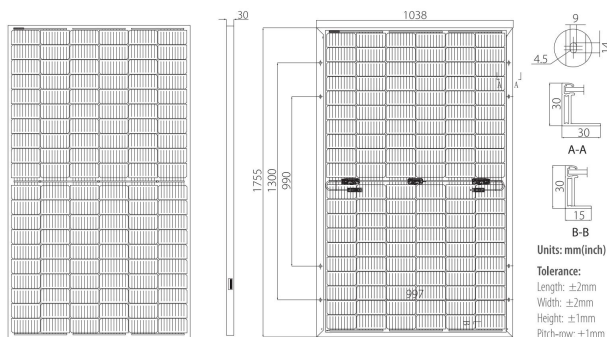
Complete System and Product Certificates

- IEC 61215, IEC 61730, IEC 62804-1: CQC, CE, TUV, PID
- ISO 9001: 2015: ISO Quality Management System
- ISO 14001: 2015: ISO Environment Management System
- OHSAS 18001: Occupational Health and Safety Management System



12-year Warranty for Materials and Processing, 30-year Warranty for Linear Power Output



Design (unit: mm)
Mechanical Parameters
Operating Parameters


Number of cells: 120 (6×20)

Operating Temperature: -40℃ ~ +85℃

Junction Box: IP68, 3 diodes

Power Output Tolerance: 0 ~ +5W

 Output Cable: 4mm², 300mm in length,
length can be customized

Voc and Isc Tolerance: ±3%

Connector: MC4 or compatible with MC4

Max System Voltage: DC1500V (IEC)

Glass: Dual Glass 2.0mm tempered glass

Maximum Series Fuse Fuse: 20A

Weight: 23.3kg

NOCT: 45±2℃

Dimension: 1755 × 1038 × 30mm

Safety Class: Class II

 Packaging: 35pcs per pallet,
210pcs/20'GP, 910pcs/40'HC

Bifaciality: Glazing 70±5%

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Module Type	YMX-60HBD-355M		YMX-60HBD-360M		YMX-60HBD-365M		YMX-60HBD-370M		YMX-60HBD-375M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	355	264.0	360	267.7	365	271.4	370	275.1	375	278.8
Open Circuit Voltage(Voc/V)	40.3	37.5	40.5	37.7	40.7	37.9	40.9	38.1	41.1	38.3
Short Circuit Current(Isc/A)	11.24	9.10	11.33	9.17	11.41	9.24	11.50	9.31	11.58	9.38
Maximum Power Voltage(Vmp/V)	33.7	31.3	33.9	31.5	34.1	31.7	34.3	31.8	34.5	32.0
Maximum Power Current(Impp/A)	10.54	8.44	10.62	8.51	10.71	8.58	10.79	8.64	10.87	8.71
Module Efficiency(%)	19.5	/	19.8	/	20.0	/	20.3	/	20.6	/

 STC (Standard Testing Condition): Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5

 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20℃, Air Mass 1.5, Wind Speed 1m/s

Electrical characteristics with different rear side power gain (reference to 365W front)

Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Impp (A)	Pmax gain
383	40.7	11.99	34.1	11.24	5%
402	40.7	12.56	34.1	11.78	10%
420	40.8	13.13	34.2	12.31	15%
438	40.8	13.70	34.2	12.85	20%
456	40.8	14.27	34.2	13.38	25%

Temperature Coefficient (STC)

Temperature Coefficient of Isc: +0.050%/℃

Temperature Coefficient of Voc: -0.284%/℃

Temperature Coefficient of Pmax: -0.350%/℃

Mechanical Loading

Front side Maximum Static Load (Wind or Snow)

5400Pa

Rear side Maximum Static Load (Wind)

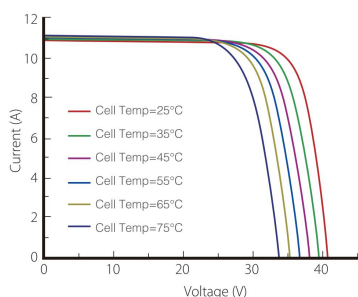
2400Pa

Hailstone Test

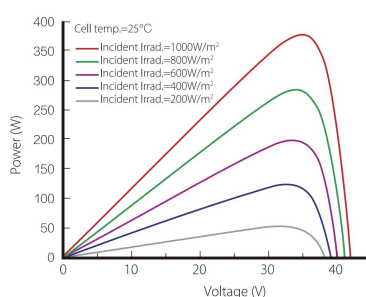
25mm Hailstone at the speed of 23m/s

I-V Curve

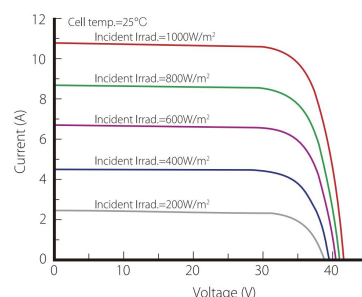
Current-Voltage Curve



Power-Voltage Curve



At different irradiance



* Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. Yimeixu have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.



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