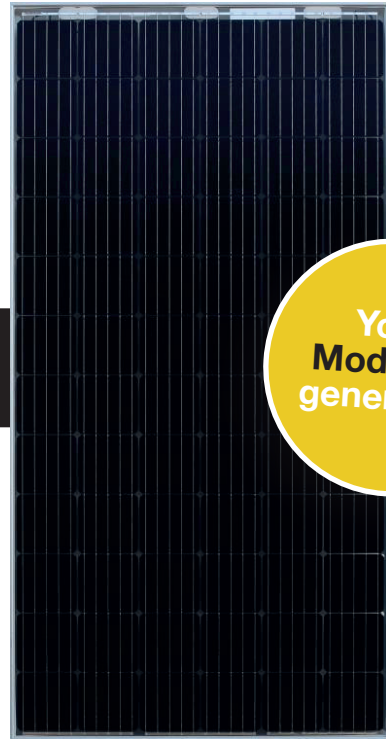


YMX-72PD-370~400M

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 2018, Yimeixu has accumulated total delivery over 3GW of mono modules.



**Your
Module X
generation**

Bifacial PERC Modules (With Frame) 1500V

Hi-MO2 High Efficiency Low LID

Bifacial PERC Technology

Best Solution for Lower LCOE

Front side performance equivalent to conventional low LID mono PERC

High module conversion efficiency (up to 20.3%)
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

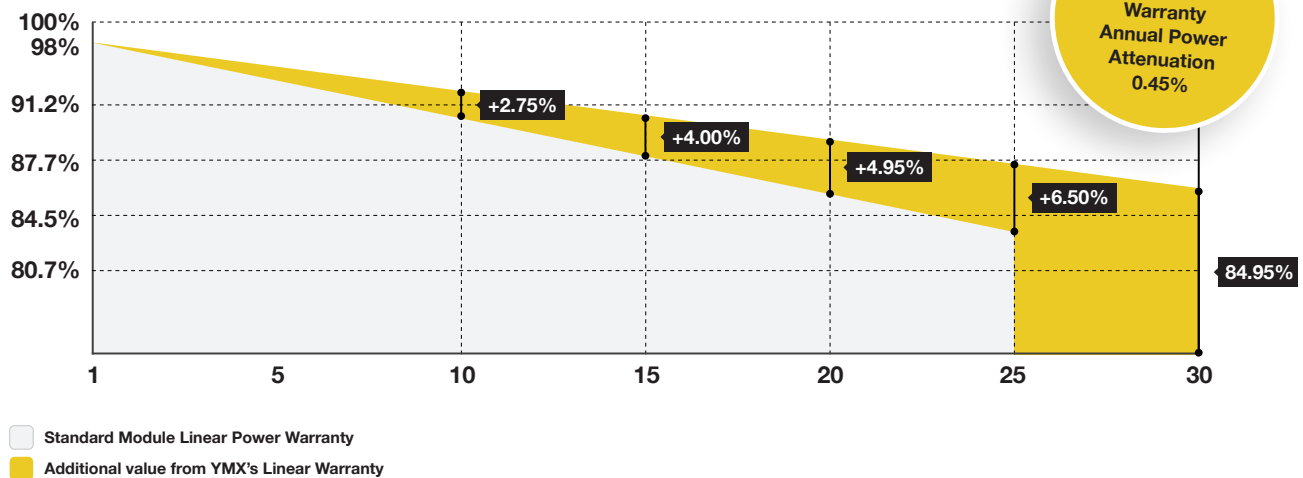
ensured by solar cell process optimization and careful module BOM selection

Complete System and Product Certificates

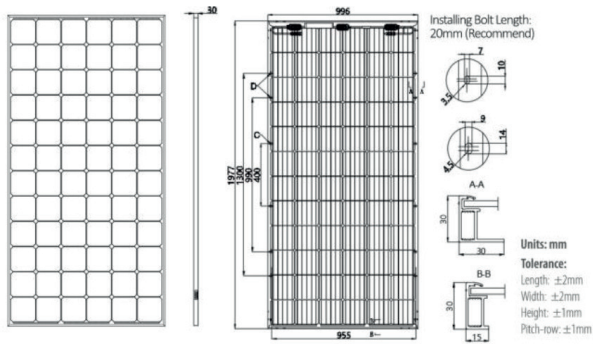
IEC 61215 , IEC 61730 , IEC 62804 1: CQC , CE , TUV , PID
ISO 9001: 2015 : ISO Quality Management System
ISO 14001: 2015 : ISO Environment Management System
OHSAS 18001: Occupational Health and Safety Management System



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



Design (unit: mm)



Mechanical Parameters

Number of cells: 72 (6×12)

Junction Box: IP67, 3 diodes

Output Cable: 4mm², L=300mm

Connector: MC4 or compatible with MC4

Glass: Dual Glass 2.0mm tempered glass

Weight: 25.5kg

Dimension: 1977×996×30mm

Packaging: 36pcs per pallet
792pcs/40HQ

Operating Parameters

Operating Temperature: -40°C~ +85°C

Power Tolerance: 0 ~ +5W

Max System Voltage: DC1500V (IEC)

Maximum Series Fuse: 15A

NOCT: 45±2°C

Safety Class: Class II

Bifaciality: C ≥75%

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Module Type	YMX-72PD-370M		YMX-72PD-375M		YMX-72PD-380M		YMX-72PD-385M		YMX-72PD-390M		YMX-72PD-395M		YMX-72PD-400M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	370	275.1	375	278.8	380	281.5	385	285.2	390	288.9	395	292.6	400	296.3
Open Circuit Voltage(Voc/V)	48.4	45.1	48.6	45.3	48.7	45.5	48.9	45.7	49.1	45.9	49.3	46.1	49.5	46.3
Short Circuit Current(Isc/A)	9.95	8.06	10.03	8.12	9.99	8.05	10.09	8.11	10.18	8.17	10.28	8.25	10.36	8.31
Maximum Power Voltage(Vmp/V)	39.6	36.8	39.8	36.9	39.8	36.8	40	37	40.2	37.2	40.4	37.4	40.6	37.6
Maximum Power Current(Imp/A)	9.35	7.49	9.43	7.56	9.55	7.66	9.63	7.72	9.71	7.78	9.79	7.84	9.88	7.9
Module Efficiency(%)	18.8	/	19.0	/	19.3	/	19.6	/	19.8	/	20.1	/	20.3	/

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

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, 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)	Imp (A)	Pmax gain
383	48.3	10.33	39.5	9.71	5%
402	48.3	10.82	39.5	10.18	10%
420	48.4	11.31	39.6	10.64	15%
438	48.4	11.80	39.6	11.10	20%
456	48.4	12.29	39.6	11.56	25%

Temperature Coefficient (STC)

Temperature Coefficient of Isc +0.060%/°C

Temperature Coefficient of Voc -0.300%/°C

Temperature Coefficient of Pmax -0.370%/°C

Mechanical loading

Front side Maximum Static Load (Wind or Snow) 5400Pa

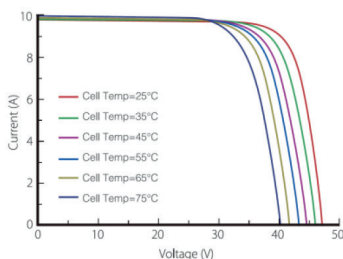
Rear side Maximum Static Load (Wind) 2400Pa

Hailstone Test

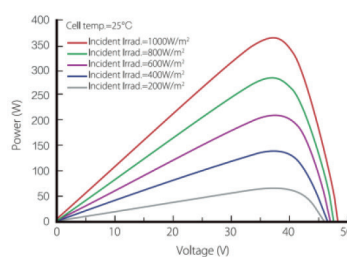
25mm Hailstone at the speed of 23m/s

I-V Curve

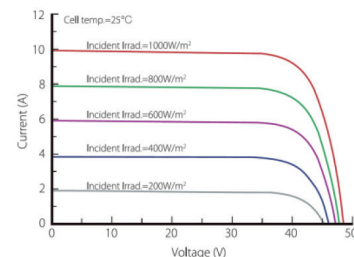
Current-Voltage Curve



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.