

# YMX-60PE-300~330M



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 84,000m<sup>2</sup>. 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.

## High Efficiency PERC Mono Module

Yimeixu PERC mono modules with high efficiency and high reliability can reach the highest output power of 330W. The most advanced module manufacturing technologies are applied to get lower OPCT and excellent performance at low irradiance and to ensure the power generation and investment revenue for customs.

### Positive power tolerance

0 ~ +5W positive tolerance of maximum output power guaranteed.

### High conversion efficiency

The highest efficiency up to 20.2%

### Excellent Performance in Low Irradiance Condition

Outstanding power output in low irradiance condition: dawn, dusk and rainy days etc.

### Anti PID

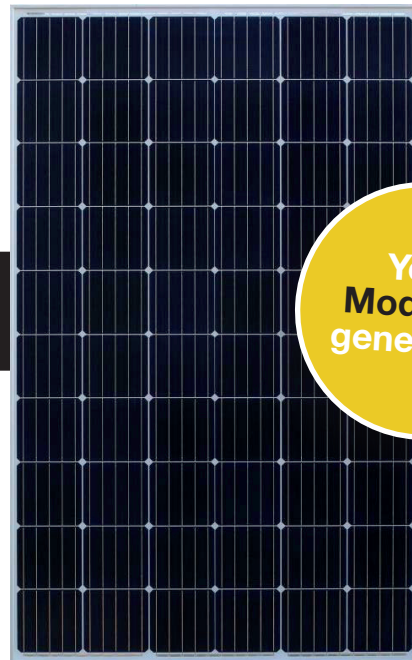
Anti PID technologies of both cell and module are applied to ensure the excellent anti PID performance.

### Adaptability to Harsh Environments

Excellent weather resistance: salt spray resistance, ammonia resistance, etc.

### Robust Frame, 35 mm Thickness

Good pressure resistance, be able to hold 2400Pa wind pressure and 5400Pa snow pressure



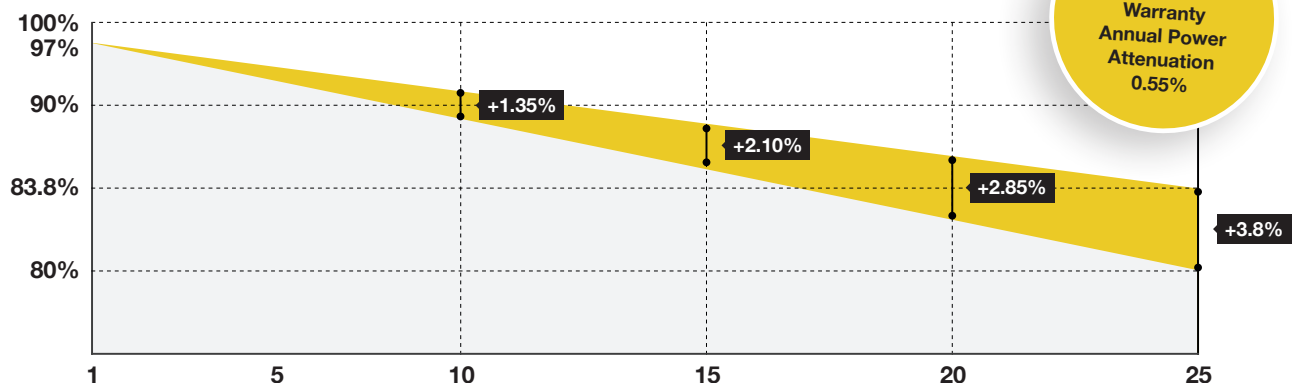
Your  
Module X  
generation

## 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

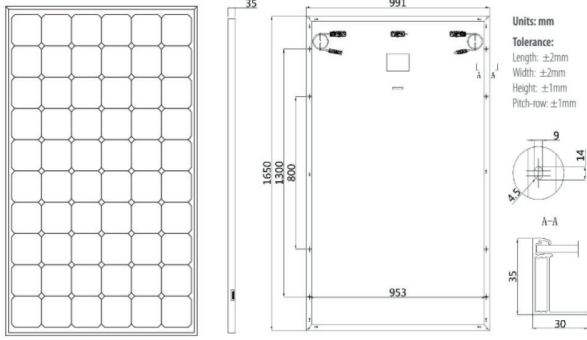


## 15-year Warranty for Materials and Processing, 25-year Warranty for Linear Power Output



Standard Module Linear Power Warranty  
 Additional value from YMX's Linear Warranty

## Design (unit: mm)



## Mechanical Parameters

Number of cells: 60 (6×10)

Junction Box: IP67, 3 diodes

Output Cable: 4mm<sup>2</sup>, L=1000mm

Connector: MC4 or compatible with MC4

Glass: 3.2mm coated tempered glass

Weight: 18kg

Dimension: 1650×991×35mm

Packaging: 30pcs per pallet

## Operating Parameters

Operating Temperature: -40°C~ +85°C

Power Tolerance: 0 ~ +5W

Max System Voltage: DC1000V (IEC)

Maximum Series Fuse: 15A

NOCT: 45±2°C

Safety Class: Class II

Packaging: 840pcs/40HQ  
Max: 896pcs/40HQ

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Module Type	YMX-60PE-300M		YMX-60PE-305M		YMX-60PE-310M		YMX-60PE-315M		YMX-60PE-320M		YMX-60PE-325M		YMX-60PE-330M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	300	222.2	305	225.9	310	229.6	315	233.4	320	237.1	325	240.8	330	244.5
Open Circuit Voltage(Voc/V)	39.9	37.2	40.2	37.5	40.5	37.8	40.8	38.1	41	38.3	41.2	38.6	41.5	38.8
Short Circuit Current(Isc/A)	9.96	8.03	9.99	8.05	10.02	8.08	10.05	8.10	10.14	8.17	10.19	8.19	10.23	8.27
Maximum Power Voltage(Vmp/V)	32.3	29.8	32.7	30.2	33.1	30.6	33.5	30.9	33.7	31.1	34.1	31.3	34.3	31.5
Maximum Power Current(Imp/A)	9.28	7.44	9.33	7.48	9.36	7.51	9.41	7.55	9.50	7.62	9.59	7.72	9.64	7.79
Module Efficiency(%)	18.3	/	18.7	/	19	/	19.3	/	19.6	/	19.9	/	20.2	/

STC (Standard Testing Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

## Temperature Coefficient (STC)

Temperature Coefficient of Isc: +0.057%/°C

Temperature Coefficient of Voc: -0.286%/°C

Temperature Coefficient of Pmax: -0.370%/°C

## Mechanical loading

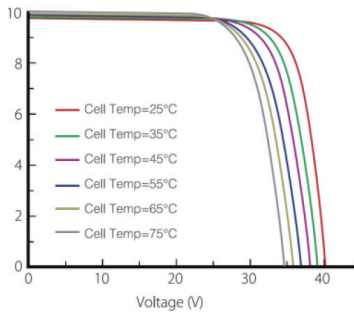
Front side Maximum Static Load (Wind or Snow): 5400Pa

Rear side Maximum Static Load (Wind): 2400Pa

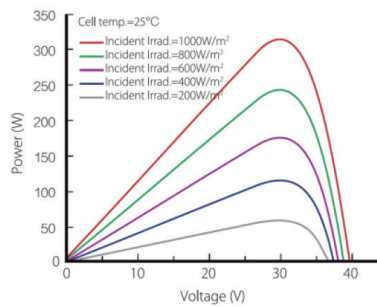
Hailstone Test: 25mm Hailstone at the speed of 23m/s

## I-V Curve

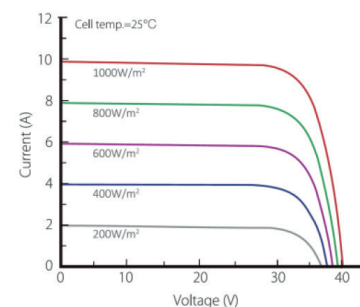
Current-Voltage Curve



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.