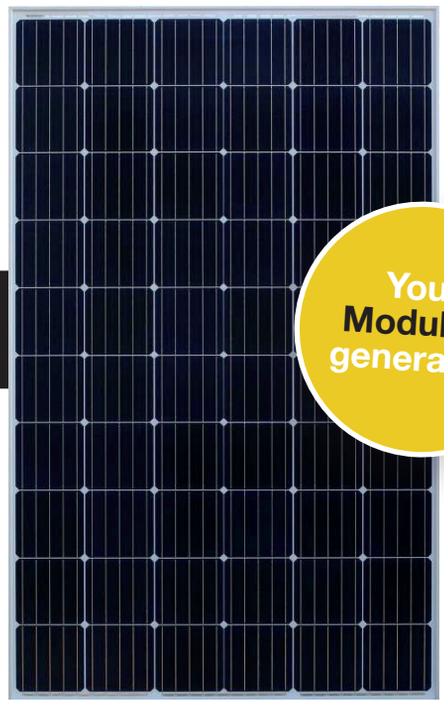
YMX-60PE-315~335M

YMX Euro Solar®

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.



High Efficiency PERC Mono Module

Yimeixu PERC mono module s with high efficiency and high reliability can reach the highest output power of 335W. 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 20.08%

Diamond Cell Technology
uniquely designed high performance 5 busbar mono PERC cell.

PID Free
Reinforced cell prevents potential induced degradation.

Excellent Performance in Low Irradiance Condition
Excellent weather resistance: salt spray resistance, ammonia resistance, etc.

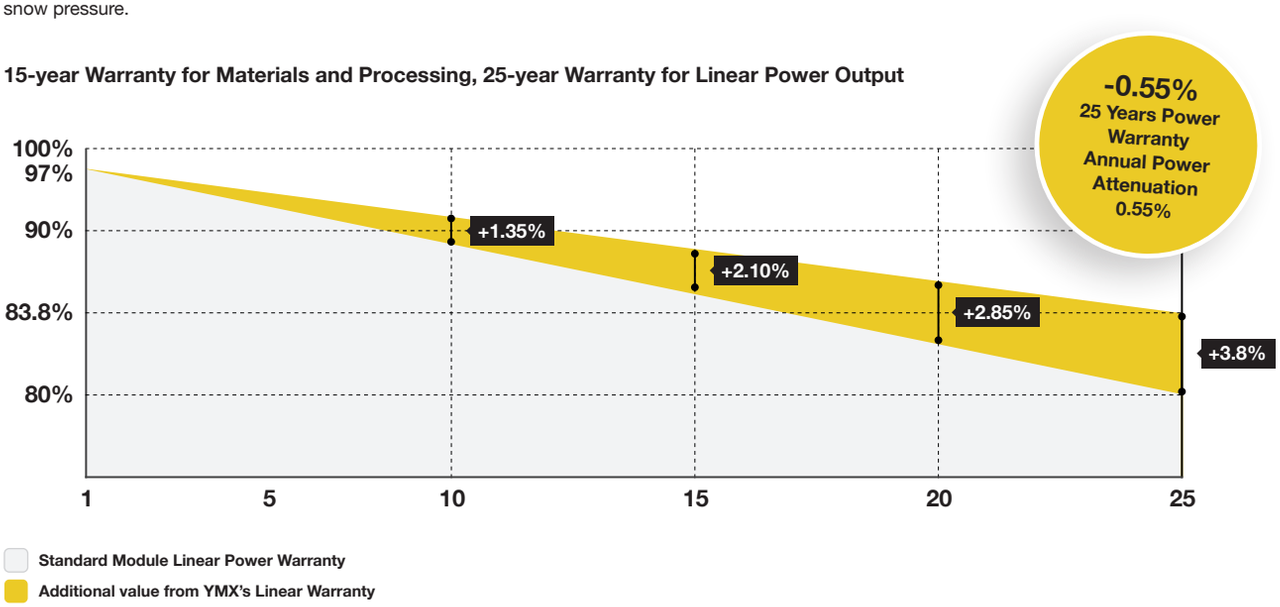
Adaptability to Harsh Environments
Excellent weather resistance: salt spray resistance, ammonia resistance, etc.

Robust Frame, 35 mm Thickness
Good pressure resistance, be able to hold 2400Pa wind pressure and 5400Pa snow pressure.

Complete System and Product Certificates

IEC 61215,IEC 61730, IEC 62804-1:CQC,CE,TUV,PID
ISO 9001: 2015: ISO Quality Management System
ISO14001:2015: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



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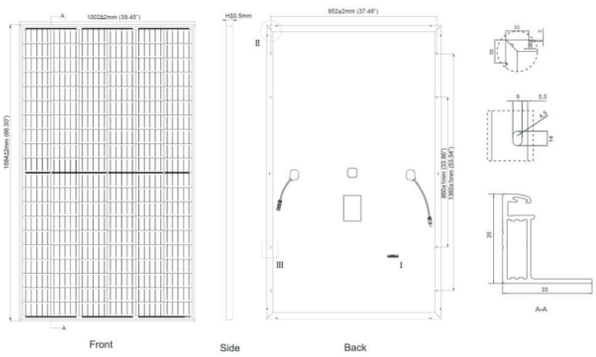
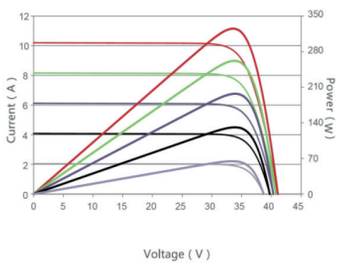
Sun, technology future.

Design (unit: mm)

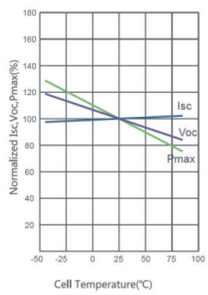


Electrical Perfomance & Temperature Dependence

Current-Voltage & Power-Voltage Curves



Temperature Dependence of Isc, Voc, Pmax



Electrical Characteristics

Test uncertainty for Pmax: ±3%

Module Type	YMX-60PE-315M		YMX-60PE-320M		YMX-60PE-325M		YMX-60PE-330M		YMX-60PE-335M	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	315	235	320	239	325	242	330	246	335	250
Open Circuit Voltage(Voc/V)	40.7	37.6	40.9	37.8	41.1	38.0	41.3	38.2	41.5	38.4
Short Circuit Current(Isc/A)	10.04	8.33	10.15	8.44	10.20	8.54	10.31	8.65	10.36	8.74
Maximum Power Voltage(Vmp/V)	33.2	31.2	33.4	31.4	33.6	31.6	33.8	31.8	34.0	32.0
Maximum Power Current(Imp/A)	9.49	7.56	9.59	7.62	9.68	7.66	9.77	7.74	9.87	7.82
Module Efficiency(%)	18.88	/	19.18	/	19.48	/	19.78	/	20.08	/

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

Temperature Coefficient STC

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.37%/°C

Mechanical loading

Maximum Front Static Load (Wind or Snow)	5400Pa
Maximum Rear Static Load (Wind)	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Mechanical Parameters

Celltype: Mono PERC Diamond Cell (158.75×158.75mm)

Number of cells: 60 (6×10)

Junction Box: IP67 rated, 3 diodes

Output Cable: 4mm2, L=1000mm

Connector: MC4 or compatible with MC4

Weight: 19.0kg

Glass: 3.2mm coated tempered glass

Dimension: 1665×1002×35mm

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: 30pcs/pallet, 780pcs/40HQ

* 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.