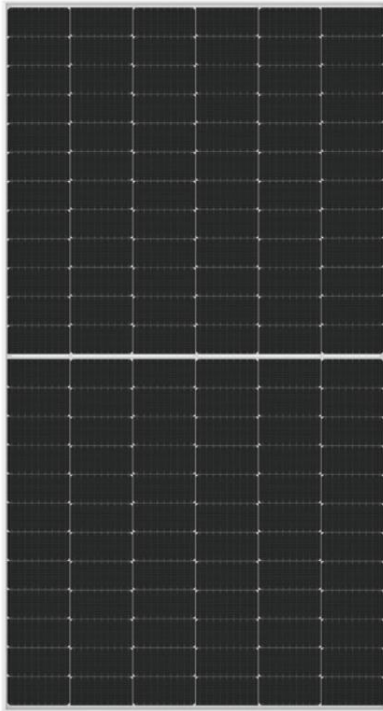


Your Module X-generation!

High Efficiency With Half-cut Technology



Mono PERC(182×182) With Half-cut Technology

High module efficiency (up to 21.3%)

Positive power tolerance (0~+5W) guaranteed

Slower power degradation enable by low LID Mono PERC technology:
first year < 2%, 0.55% year 2-25

Based on M10-182mm wafer, best choice for ultra-large power plant

Advanced module technology delivers superior module efficiency

- M10 Gallium-doped Wafer
- Smart soldering
- 10-busbar Half-cut Cell

Excellent outdoor power generation performance

High module quality ensures long-term reliability

Half-cut Cell lower operating temperature

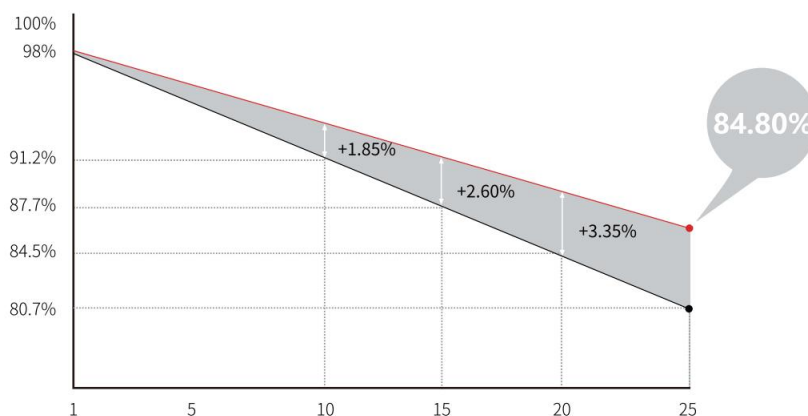
Complete System and Product Certificates

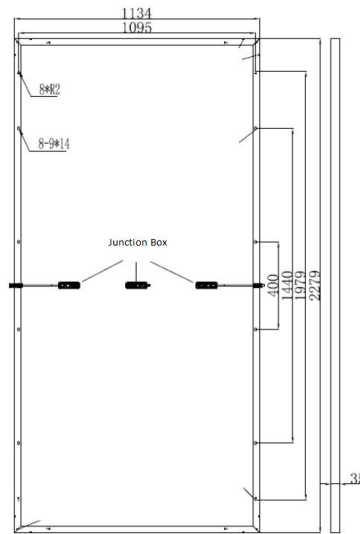
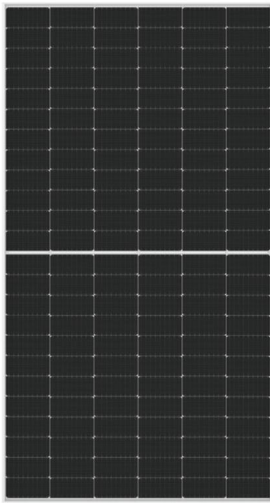
- IEC 61215, IEC 61730, IEC 62804-1: CQC, CE, TUV, PID
- ISO 9001: 2015: ISO Quality Management System
- ISO 14001: 2015: ISO Environment Management System
- OHSAS 18001: Occupational Health and Safety Management System



Yimeixu WitChip Energy Hitech Co., Ltd. is a leading supplier of intelligent solar energy system solutions. 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 2020, Yimeixu has accumulated total delivery over 5.0GW of mono modules.

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





Operating Parameters

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Power Output Tolerance: $0 \sim +5\text{W}$

Max System Voltage: DC1500V (IEC)

Voc and Isc Tolerance: $\pm 3\%$

Maximum Series Fuse Fuse: 20A

NOCT: $45 \pm 2^{\circ}\text{C}$

Safety Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: $\pm 3\%$

Module Type	YMX-72HPH-530M		YMX-72HPH-535M		YMX-72HPH-540M		YMX-72HPH-545M		YMX-72HPH-550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	530	395.8	535	399.5	540	403.3	545	407.0	550	410.7
Open Circuit Voltage(Voc/V)	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55	49.80	46.69
Short Circuit Current(Isc/A)	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25	13.98	11.31
Maximum Power Voltage(Vmp/V)	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92	41.95	39.06
Maximum Power Current(Imp/A)	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46	13.12	10.52
Module Efficiency(%)	20.5	/	20.7	/	20.9	/	21.1	/	21.3	/

STC (Standard Testing Condition): Irradiance $1000\text{W}/\text{m}^2$, Cell Temperature 25°C , Air Mass 1.5

NOCT (Nominal Operating Cell Temperature): Irradiance $800\text{W}/\text{m}^2$, Ambient Temperature 20°C , Air Mass 1.5, Wind Speed $1\text{m}/\text{s}$

Mechanical Parameters

Number of cells	144 (6×24)
Junction Box	IP68, 3 diodes
Connector	MC4 or compatible with MC4
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Weight	27.2kg
Dimension	2279×1134×35mm
Packaging	31pcs/pallet, 155pcs/20'GP, 620pcs/40'HC

Temperature Coefficient (STC)

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°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

* 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.

