

Yangtze Solar Half Cell Module (144 Cells) 390~420Watt

MONO CRYSTALLINE MODULE

ISO9001:2008、ISO14001:2004、OHSAS18001
certified factory.
IEC61215、IEC61730 certified products.



KEY FEATURES



Positive tolerance:

Positive tolerance of up to 5W delivers higher output reliability.



High Efficiency

Higher module conversion efficiency benefit from half cell structure (low resistance characteristic).



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

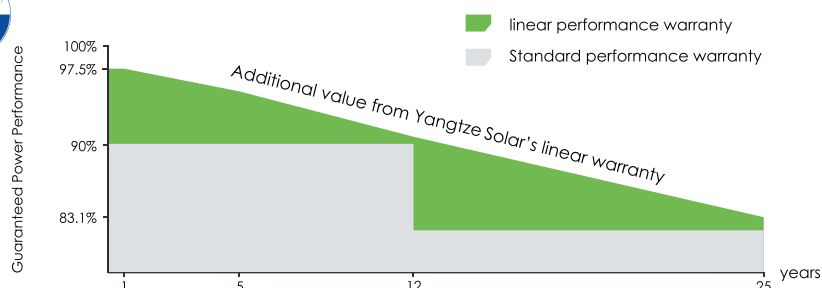


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.

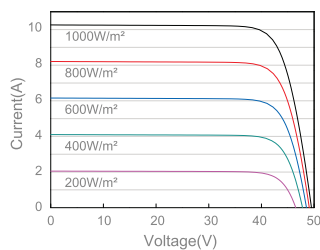
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty

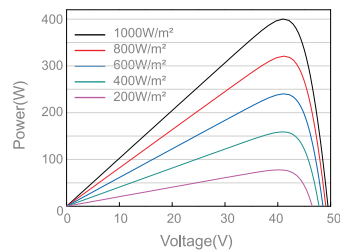


Electrical Performance & Temperature Dependence

Current-Voltage Curve
YS400M-72



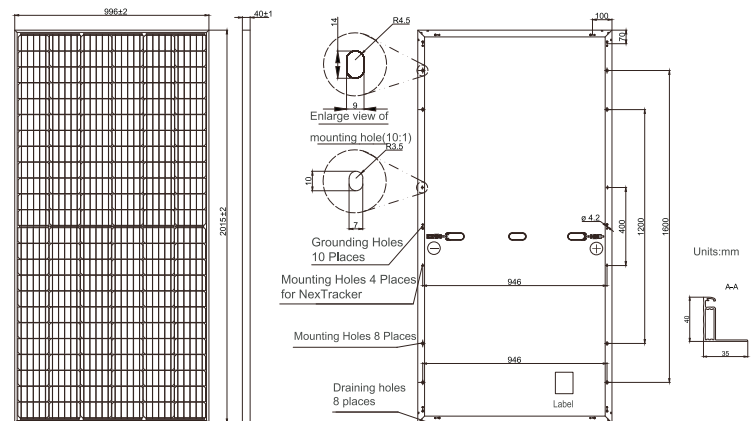
Power-Voltage Curve
YS400M-72



Mechanical Characteristics

Cell Type	PERC Mono-crystalline
No.of cells	144(6×24)
Dimensions	2015±2mm × 996±2mm × 40±1mm
Weight	22.8kg (49.8 lbs.)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	Portrait: 300mm(+) / 400mm(-) ; Landscape: 1200mm(+) / 1200mm(-).

Engineering Drawings



Packaging Configuration

(Two pallets=One stack)

30pcs/pallet, 60pcs/stack, 840 pcs/40'HQ Container

SPECIFICATIONS

Module Type	YS390M-72	YS400M-72	YS410M-72	YS420M-72
Maximum Power (Pmax)	390W	400W	410W	420W
Maximum Power Voltage (Vmp)	40.55V	41.15V	41.75V	42.34V
Maximum Power Current (Imp)	9.62A	9.72A	9.82A	9.92A
Open-circuit Voltage (Voc)	48.91V	49.50V	50.12V	50.91V
Short-circuit Current (Isc)	10.16A	10.26A	10.37A	10.46A
Module Efficiency STC (%)	19.4%	19.9%	20.4%	20.9%
Operating Temperature(°C)	-40°C~+85°C			
Maximum system voltage	1000VDC or 1500VDC			
Maximum series fuse rating	20A			
Power tolerance	0~+5W			
Temperature Coefficient of Isc(α_Isc)	0.051%/°C			
Temperature Coefficient of Voc(β_Voc)	-0.289%/°C			
Temperature Coefficient of Pmax(γ_Pmp)	-0.350%/°C			
Nominal operating cell temperature (NOCT)	45±2°C			

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. Yangze Solar.