

Yangtze Solar

96 Cells

500-550 Watt

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 Passivated Emmitter Rear Contact (PERC) technology.



PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:

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

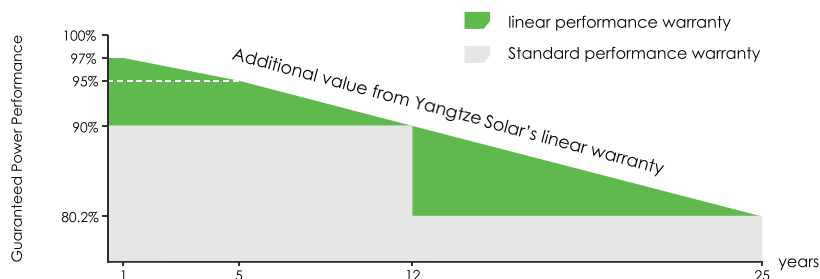


Durability against extreme environmental conditions:

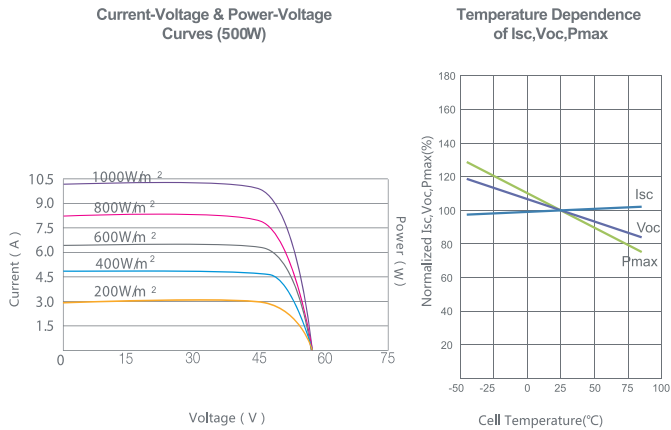
High salt mist and ammonia resistance certified by TUV NORD.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



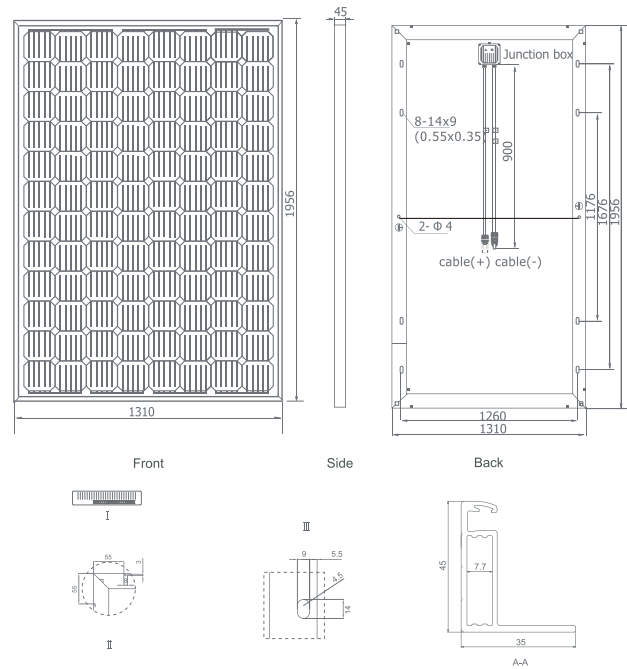
Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline PERC 156×156mm (6 inch)
No. of cells	96 (8x12)
Dimensions	1956x1310x45mm (77.01x51.58x1.77 inch)
Weight	26.5 kg (58.4 lbs.)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² Length:900mm or Customized Length

Engineering Drawings



Packaging Configuration

(Two pallets =One stack)

20pcs/pallet , 40pcs/stack, 480 pcs/40'HQ Container

SPECIFICATIONS

Module Type	YS500M-96	YS510M-96	YS520M-96	YS530M-96	YS540M-96	YS550M-96
Maximum Power (Pmax)	500W	510W	520W	530W	540W	550W
Maximum Power Voltage (Vmp)	48.40V	48.58V	48.76V	48.94V	49.12V	49.30V
Maximum Power Current (Imp)	10.33A	10.51A	10.69A	10.88A	11.06A	11.24A
Open-circuit Voltage (Voc)	58.08V	58.30V	58.52V	58.73V	58.95V	59.16V
Short-circuit Current (Isc)	10.54A	10.72A	10.90A	11.09A	11.28A	11.46A
Module Efficiency STC (%)	19.51%	19.90%	20.35%	20.68%	21.07%	21.46%
Operating Temperature(°C)	-40°C~+85°C					
Maximum system voltage	1000VDC or 1500VDC					
Maximum series fuse rating	20A					
Power tolerance	0~+3%					
Temperature coefficients of Pmax	-0.39%/°C					
Temperature coefficients of Voc	-0.29%/°C					
Temperature coefficients of Isc	0.048%/°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.