YASHIN High Efficiency 48 Solar Cells
195W-215W

Features:

Tolerance

0 to +5W positive tolerance power

5.400Pa

Module certified to withstand high snow loads, up to 5400Pa

Low Light

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

System Reliability

Anodized aluminum frame improving corrosion resistance

IP67

Our IP67 rated junction box improves module performance and stability

Grid-tie

introduces the new generation of solar modules. Providing more power by utilizing high efficiency solar cells. Their outstanding performance on energy yield helps our customers to maximize returns on investment specially on grid tie allplications.

EL Testing

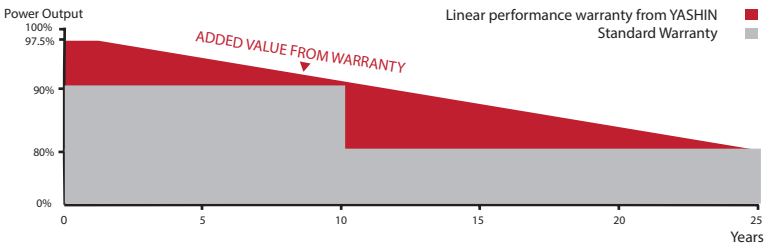
Our solar modules are manufactured according to IEC standards. each module goes to a strict quality verification on through an EL testing process, The EL tester works like a X-ray scanner that immediately exposes every possible hidden defect in the solar panel. This way you can get a crystal clear picture of the good operation of the solar panel.

25 YEARS Warranty Insurance

We provide a 10 years material and workmanship guarantee for our solar modules. In addition, 90% power output guarantee for 10 years and 80% power output guarantee for 25 years of the modules life are provided.

Install Reliability

Our solar modules are designed to offer worry free used in the harshest climates. For example, the strong and robust 40mm frame allows installation in multiple configurations, making an easy, safe and faster installation in harshest climates. The water drains holes prevent frame breakage due to freezing temperatures.



www.yashinhk.com

195-215W 156MM 48 Series

ELECTRICAL CHARACTERISTICS (STC*)

Model No. (YSP-XXXP-48)	195	200	205	210	215
Maximum Power at STC(Pmax)	195W	200W	205W	210W	215W
Maximum Power Voltage(Vmp)	23.9V	24.2V	24.4V	24.7V	24.9V
Maximum Power Current(Imp)	8.16A	8.27A	8.39A	8.50A	8.62A
Open Circuit Voltage(Voc)	30.1V	30.2V	30.3V	30.5V	30.7V
Short Circuit Current(Isc)	8.55A	8.69A	8.83A	8.97A	9.11A
Module efficiency(%)	15.27	15.66	16.04	16.42	16.80
Maximum System Voltage(V)	1000V DC(IEC)				
Maximum Series Fuse Rating(A)	15A				
Power Tolerance(%)	0~+3%				
NOCT	45±2 °C				
Pmax Temperature Coefficient	-0.42%/ °C				
Voc Temperature Coefficient	-0.32%/ °C				
Isc Temperature Coefficient	0.06%/ °C				
Storage Temperature	From -40 to +60 °C				
Operating Temperature	From -40 to +85 °C				

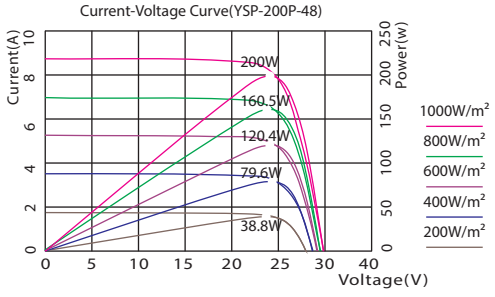
* STC(Standard Test Condition):Irradiance 1000 w/m², module temperature 25 °C, AM 1.5

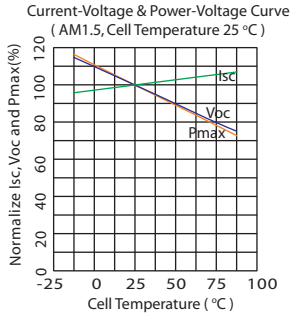
Best in Class AAA solar simulator (IEC 60904-9) is used, with power measurement uncertainty within ±3%

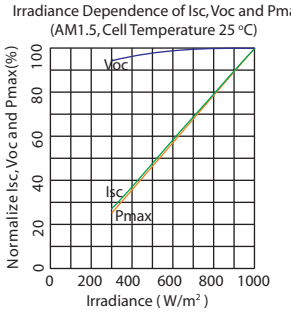
PACKING CONFIGURATION

Packing Quantity	26pcs./box
Quantity / pallet	60pcs/pallet
Loading Capacity	416pcs/20ft, 832pcs/40HQ

I-V CURVES







MECHANICAL CHARACTERISTICS

Solar Cells	48(6x8) Polycrystalline silicon Solar Cells 156 x 156mm
Front Glass	3.2mm(0.13in) high-transmission tempered glass
Encapsulant	EVA(Ethylene-Vinyl Acetate)
Frame	Double-layer anodized aluminium alloy
Junction Box	IP67 rated,with serviceable bypass diodes
Cables	UV resistant solar cable, 1050mm(41.34in)-section 4.0mm²(12AWG)
Connectors	MC4 compatible connectors
Dimensions(L x W x H)	1320 x 992 x 35 mm(51.97 x 39.06 x 1.38 in)
Weight	15.0Kg(33.1 lbs)
Max. Load	Wind Load: 2400Pa / Snow Load: 5400Pa

ENGINEERING DRAWINGS (mm/inch)