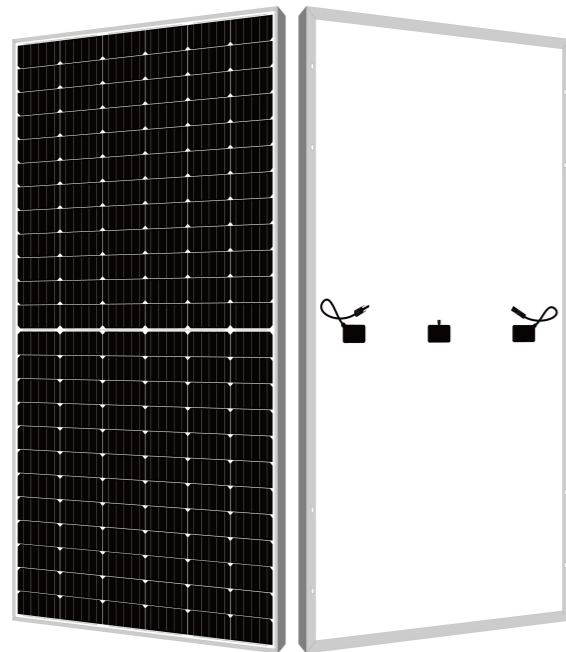
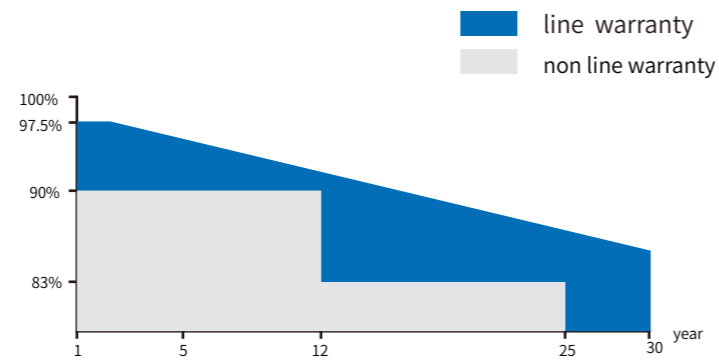


HR420W-HR440W



Global leader

12 years material warranty 25 years line output warranty



Products characteristic

Solar cells :Multi Barsbars high efficiency cell

Excellent PID resistance: the monocrystalline solar panels can be guaranteed to pass the PID (potential-induced attenuation) test

Fire safety (Class A, tested in TUA)

Water repellency: good in hydrophobicity

Frame: Anodized aluminum alloy frame, Easy to transport.

EL test: 100% inspection to guarantee products quality by EL test.

Using high efficiency mono solar cells, the current is more uniform, reduce the current heat loss of the cells inside the module effectivly

LOW LIGHT
Excellent low irradiance performance: Using low iron tempered glass with transmittance more than 97%, enhance the penetration of sunlight, excellent performance in low-light environment condition.

Excellent mechanical loading tolerance: pass the pressure test of 5400pa on the front and 2400pa on the back. Certified to withstand hail and heavy snow environment condition.

Work in sever environment: pass three performance and safety tests certified by TUV, safety for salt mist and ammonia corrosion.

Warranty: material&craft quality assurance and 90% output power guarantee in 12years.line guaranty.

Automatic production Line: 300MW production ability

JB
Junction box: outstanding quality junction box and connector.

Electrical Characteristics(STC)

Module Type	HR420W	HR425W	HR430W	HR435W	HR440W
Maximum Power-Pmax(w)	420.00	425.00	430.00	435.00	440.00
Open Circuit Voltage-Voc(V)	48.8	49.0	49.2	49.4	49.6
Short-Circuit Current-Isc(A)	11.04	11.11	11.19	11.26	11.33
Voltage at Pmax-Vmp(V)	40.2	40.4	40.6	40.8	41.0
Current at Pmax-Imp(A)	10.45	10.52	10.60	10.67	10.74
Module Efficiency -ηm(%)	18.90	19.10	19.30	19.60	19.80
Power Tolerance(W)	(0,+5.00)				
Maximum System Voltage(V)	1000/1500				
Maximum Series Fuse Rating(A)	20				

Temperature Characteristics

Pmax Temperature Coefficient	-0.370%/C
Voc Temperature Coefficient	-0.286%/C
Isc Temperature Coefficient	+0.057%/C
Operating Temperature	-40~+85C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Mechanical Specifications

Dimensions	2115*1052*35mm
Weight	24kg
Solar Cells	Mono crystalline 166*166mm (2*72pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Mechanical Load	5400Pa
Output Cables	4.0mm ²
Connector	MC4 Compatible

Packing List

Container	20'GP	40'GP
Pieces per Pallet	30	30
Pallets per Container	6	22
Pieces per Container	180	660