

435Watt

MONO CRYSTALLINE MODULE N-TYPE

Positive power tolerance of 0~+5W

ISO9001:2015, ISO14001:2015
certified factory.
IEC61215, IEC61730 certified products.



KEY FEATURES



16BB Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 16BB Busbar solar cell



High Power Output:

Up to 435W and 22.3% efficiency, highest performing module of its kind on the market



PID RESISTANT:

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



Low-light Performance:

Excellent performance in low-light environments

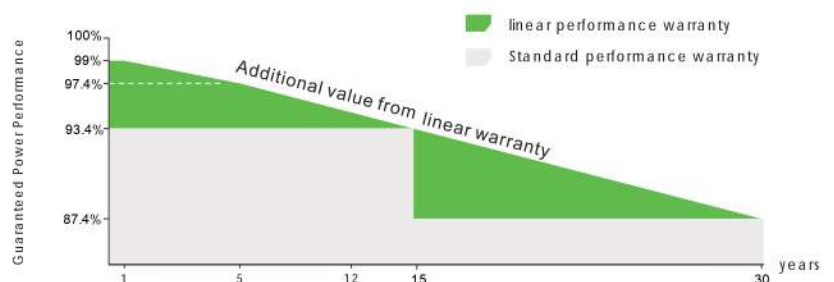


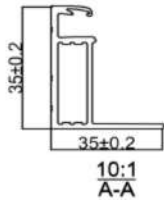
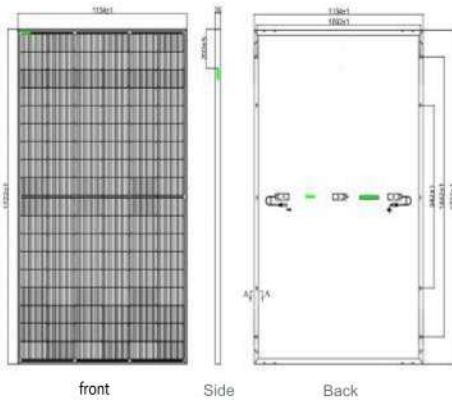
Severe Weather Resilience:

Certificated to bear 2,400Pa wind load and 5,400Pa snow load

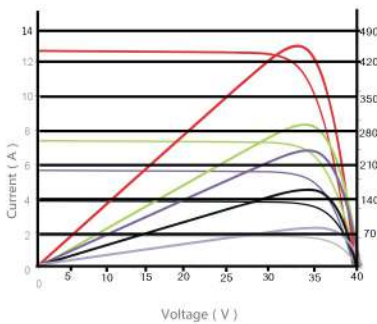
LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty • 30 Year Linear Power Warranty

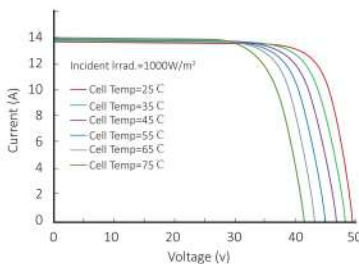




Current-Voltage & Power-Voltage Curves (435W)



Current-Voltage Curve



ELETRICAL DATE(STC)

Module model	LR5-54-435M
Max.Power-Pmax(Wp)	435
Max.Power Voltage-Vmp(V)	32.40
Max.Power Current-Imp(A)	13.43
Open-circuit Voltage-Voc(V)	38.50
Short-circuit Current-Isc(A)	14.26
Module efficiency(%)	22.3
Power Output Tolerance-Pmax(W)	0~+5

STC:1000W/m2 Irradiance,25°C Module Temperature,AM1.5g Spectrum

*Measuring Tolerance:+-3%

ELETRICAL DATE(NOCT)

Module model	LR5-54-435M
Max.Power-Pmax(Wp)	302
Max.Power Voltage-Vmp(V)	28.40
Max.Power Current-Imp(A)	10.64
Open-circuit Voltage-Voc(V)	34.95
Short-circuit Current-Isc(A)	11.19

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

MECHANICAL CHARACTERISTICS

Solar Cells	MONO-crystalline 182*91mm
No.of Cells	108(6*18)
Module Dimension	1722*1134*35mm
Module Weight	23.0KG
Front Glass	3.2mm,High Transmission,Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 or IP68 rated;3 Diodes
Output Cables	1*4.0mm2;300mm

OPERATING CONDITIONS

Max. system voltage	1500Vdc
Max. series fuse rating	25A
Operating temperature	-40°C~+85°C

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.048%/°C

PACKAGING CONFIGURATION

Modules per Pallet	31pcs
Modules per Stack	62PCS
Modules per 40HQ	806PCS