

Bifacial Module with Dual Glass

P-Type Mono-crystalline

Positive power tolerance of 0~+3W



Multi Busbar Technology
Better light trapping and current collection to improve module power output and reliability.



PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



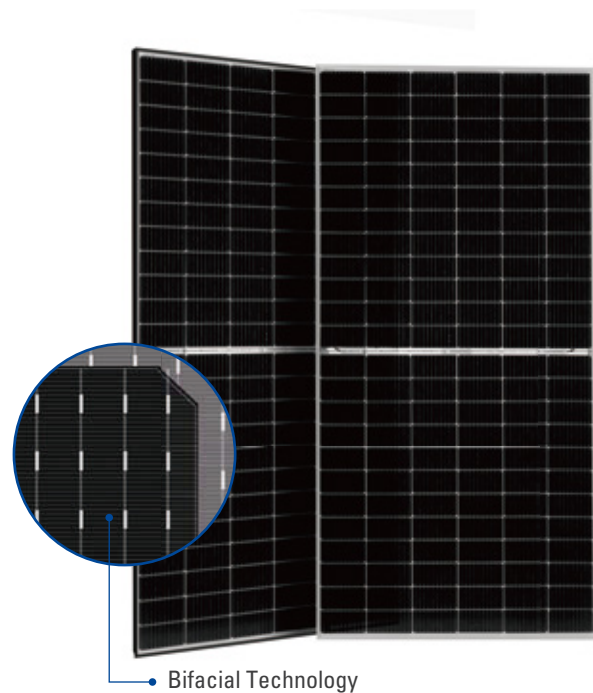
Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Longer Life-time Power Yield
0.45% annual power degradation and 30 year linear power warranty.



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

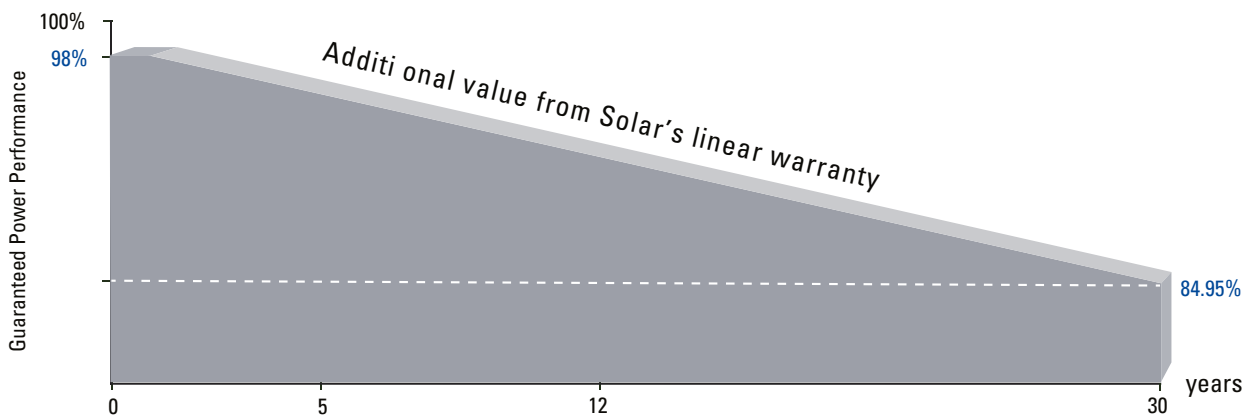


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Linear performance warranty



Electrical Parameters At Stc & Noct

Module Type		M555	
		STC	NOCT
Rated Maximum Power	P_{MAX} (W)	555	413
Maximum Power Voltage	V_{MP} (V)	41.95	38.59
Maximum Power Current	I_{MP} (A)	13.24	10.70
Open Circuit Voltage	V_{OC} (V)	50.20	46.93
Short Circuit Current	I_{SC} (A)	14.13	11.40
Module Efficiency	%	21.50	

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1 m/s

Bifacial Output-Rearside Power Gain

5%	Maximum Power (Pmax)	583Wp
	Module Efficiency STC (%)	22.56%
15%	Maximum Power (Pmax)	638Wp
	Module Efficiency STC (%)	24.71%
25%	Maximum Power (Pmax)	694Wp
	Module Efficiency STC (%)	26.86%

Mechanical Parameters

Cell Dimensions	182mm
Cell Quantity	144
Weight	32kg
Module Dimensions	2278mm × 1134mm × 35mm
Cable	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length
Front Glass	2.0mm, Anti-Reflection Coating 2.0mm, Heat Strengthened Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated
Connector	MC4-EV02
Packing	2296mm × 1090mm × 1253mm, 884 kgs/box; 2316mm × 1130mm × 2526mm, 1780 kgs/pallet.
Loading	31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Operating Parameters

Mechanical Load	Front side 5400 Pa/Rear side 2400 Pa
Power Tolerance	0~+3W
Maximum System Voltage	1500VDC (IEC)
Nominal Operating Cell Temperature	45 ± 2°C
Operating Temperature	-40°C ~ +85°C
Fuse Current	25A

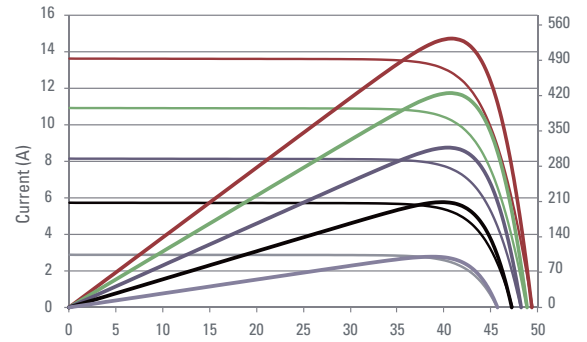
Temperature Coefficient

Temperature Coefficient Pmax	-0.35%/°C
Temperature Coefficient Voc	-0.28%/°C
Temperature Coefficient Isc	+0.048%/°C

Certificate

IEC/EN 61215, IEC/EN 61730, IEC61701, IEC62716, IEC62804

Current-Voltage & Power-Voltage Curves



Temperature Dependence of Isc, Voc, Pmax

