



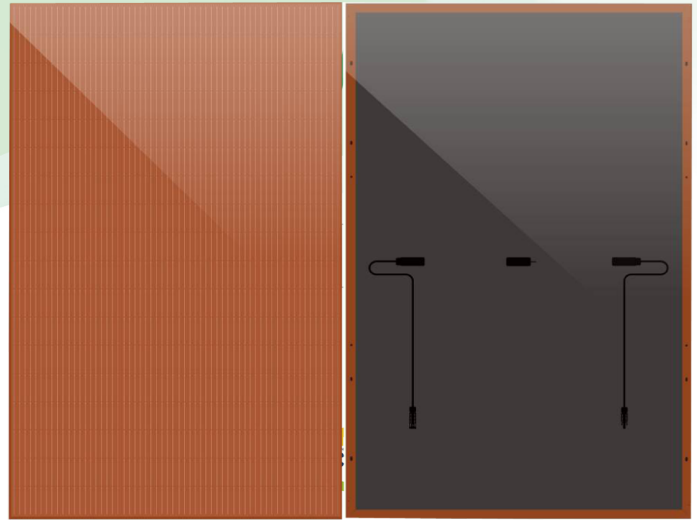
HALF CELL PERC

ORANGE-COLORED

FY 182MM 108-CELL

MONO-FACIAL MODULE

400W-420W



420W

Maximum Power Output

21.4%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

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



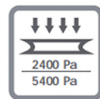
Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID Resistance

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



Enhanced Mechanical Load

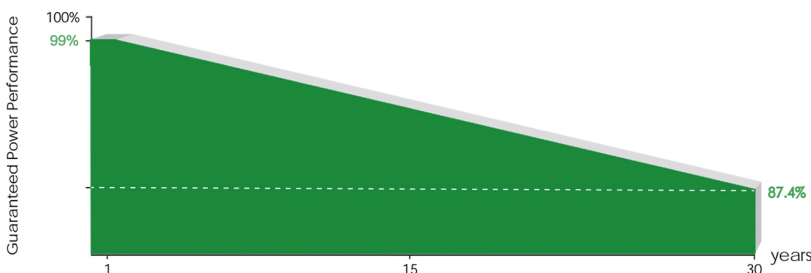
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



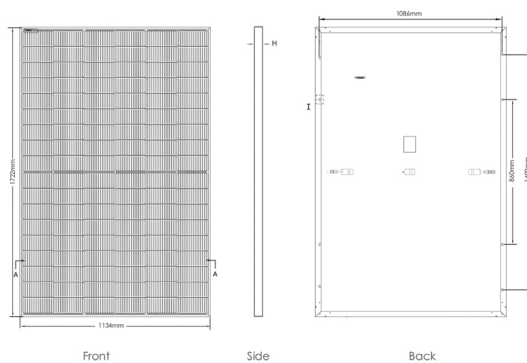
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

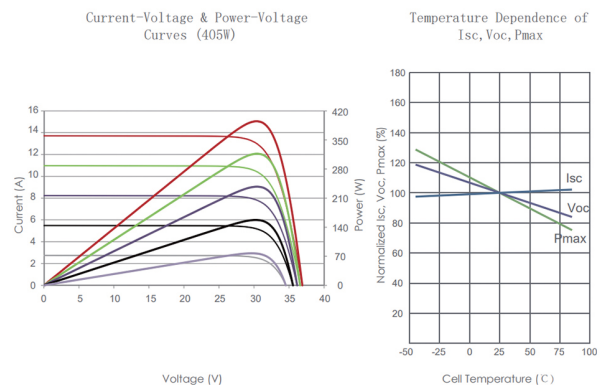
SPECIFICATIONS

Module Type	FY-108-400M		FY-108-405M		FY-108-410M		FY-108-415M		FY-108-420M	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp	415Wp	309Wp	420Wp	312Wp
Maximum Power Voltage (Vmp)	30.42V	28.42V	30.52V	28.56V	30.62V	28.72V	30.79V	28.88V	30.91V	29.01V
Maximum Power Current (Imp)	13.15A	10.47A	13.27A	10.55A	13.39A	10.62A	13.48A	10.69A	13.59A	10.76A
Open-circuit Voltage (Voc)	36.98V	34.90V	37.06V	34.98V	37.14V	35.05V	37.31V	35.21V	37.43V	35.39V
Short-circuit Current (Isc)	13.78A	11.13A	13.85A	11.19A	13.92A	11.42A	14.01A	11.32A	14.12A	11.38A
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC(IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Mechanical Characteristics

Cell Type	P type Mono-crystalline
NO.of cells	108 (2x54)
Dimensions	1722×1134×30mm (67.80×44.65×1.18 inch)
Weight	22.0 kg (48.50 lbs)
Output Cables	TUV 1X4.0mm ²
Junction Box	IP68Rated