

XF315-P72

XF310-P72

XF305-P72



Electrical Characteristics

Product type	XF315-P72	XF310-P72	XF305-P72
Maximum Power (Pmax)	315W	310W	305W
Optimum Operating Voltage (Vmp)	36.8V	36.5V	36.2V
Optimum Operating Current (Imp)	8.56A	8.50A	8.43A
Open Circuit Voltage (Voc)	45.1V	44.9V	44.7V
Short Circuit Current (Isc)	9.02A	8.96A	8.89A
Module Efficiency	16.20%	16.00%	15.70%
Operating Module Temperature	- 40°C to +85°C		
Maximum System Voltage	1000VDC (IEC)		
Maximum Series Fuse Rating	20A		
Power Tolerance	0/+5W		

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

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

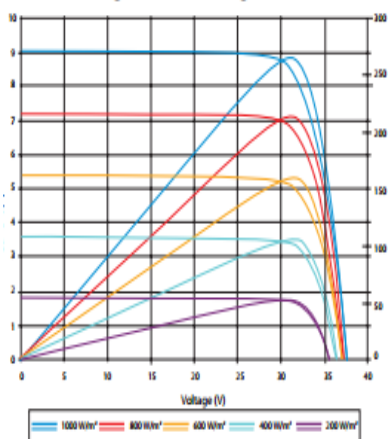
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.42%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	0.067%/°C

Mechanical Characteristics

Solar Cell (inches)	6*6
No. of Cells	60 (6*10)
Dimensions (inches)	64.6*39.1*1.4
Weight	40.1 Lbs
Front Glass	0.13 inches tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	TUV (2pfg 1169:2007)
	0.006 inches 2 symmetrical lengths (-) 39.4 inches and (+) 39.4 inches 2
Connectors	Original MC4 connectors

Current-Voltage & Power-Voltage Curve (265-20)



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m² (AM 1.5, 25 °C), 96.5% or higher of the STC efficiency (1000 W/m²) is achieved

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