

285W-305W (72) Mono-Crystalline Silicon Solar Module

Mechanical Characteristics

Module Dimension	1962×992×46mm
Cell Type	Mono-Crystalline 156×156mm (6 inch)
Number of Cells	72pcs (12×6)
Front Glass	3.2mm High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 Rated with bypass diodes
Back Sheet:	TPT
Output Cable	TUV Certified, Length 900mm, 4mm ²
Maximum wind load	2400 Pa
Maximum snow load	5600 Pa
Maximum Hail Hitting	25mm @ 80Km/h
Weight	23.8 kgs
Load-capability	200pcs/20'ft , 480pcs/ 40'ft Container



Electrical Data

Pmax	Vmp	Imp	Voc	Isc	Cell Efficiency
285Wp	35.7V	7.99A	44.4V	8.60A	>16.7%
290Wp	35.8V	8.11A	44.5V	8.67A	>17.0%
295Wp	35.9V	8.22A	44.6V	8.73A	>17.3%
300Wp	36.1V	8.32A	44.8V	8.80A	>17.6 %
305Wp	36.2V	8.43A	44.9V	8.87A	>17.9 %
Power Tolerance	±3%				
Maximum Series Fuse Voltage	15A				
Maximum System Voltage	DC 1000V				
Temperature Coefficients of Pmax	-0.423%/°C				
Temperature Coefficient of Voc	-0.307% /°C				
Temperature Coefficient of Isc	+0.039%/°C				
NOCT	Nominal Operation Cell Temperature: 47°C ±2°C				
Operating Temperature	-40°C ~ +85°C				
STC	Standard test conditions: irradiance: 1000W / m ² AM:1.5 temperature: 25°C				

