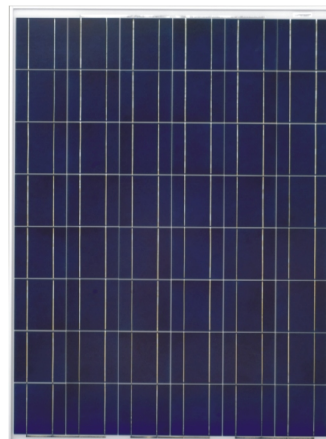


CS6A-150/160

e-Module

CS6A e-Module series is a medium-powered module product ideal for roof top or ground mounted off-grid and on-grid solar power systems where long term economics (ROI), reliability and environmental issues are of a real concern.

CS6A e-Modules have gone through various rigorous in-house reliability tests to guarantee the rated power output.



KEY FEATURES

- 48 polycrystalline solar cells
- Unique frame design to reinforce sealing and to prevent freezing and warping
- Strong aluminum frames to strengthen the load hold and to stand against high wind
- Special mounting holes on the frames for long and short side mounting
- High transparency low iron tempered glass with enhanced stiffness and impact resistance
- Advanced EVA encapsulation system with multilayer backsheets

APPLICATIONS

- Residential roof-top systems
- Commercial / industrial building roof-top systems
- On and off-grid solar power stations
- Other industrial and commercial applications

CERTIFICATIONS

- IEC 61215, UL1703, SC II
- ISO 9001:2000, ISO/TS 16949:2002,

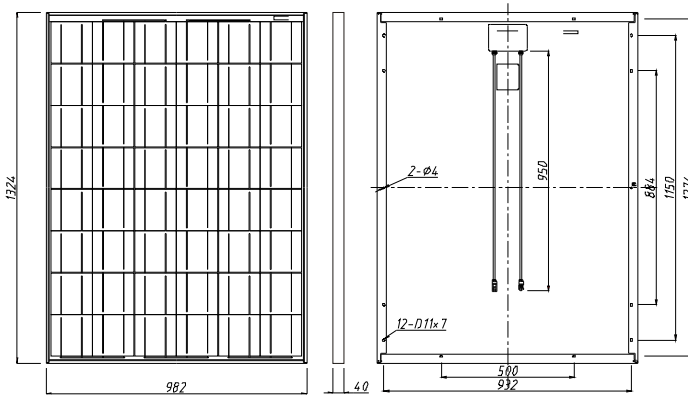


LIMITED WARRANTY

- 25 years limited warranty on power output
90% power output assurance for 10 years, and 80% power output assurance for 25 years.
Please refer to warranty statement for warranty conditions in detail.

CS6A-150/160 e-Module

Mechanical Specifications



Dimensions		
Length*Width*Depth	mm	1324 x 982 x 40
	(in)	(52.1 x 38.7 x 1.6)
Weight	kg (lbs)	16.0 (35.3)

Cells	
Cell Material	Polycrystalline
Number of Cells	48

Electrical Characteristics

Electrical Performance

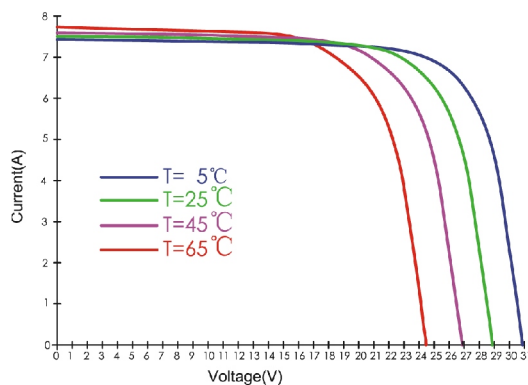
Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

		CS6A-150	CS6A-160
Maximum Power	Pmax	150W	160W
Voltage at Maximum Power	Vmp	23.1V	23.1V
Current at Maximum Power	Imp	6.50A	6.92A
Open Circuit Voltage	Voc	28.8V	28.9V
Short Circuit Current	Isc	7.12A	7.51A
Maximum System Voltage		600V (UL)/1000V (IEC)	
Maximum fuse rating		15A	
Maximum load rating		5400Pa(112.78 lbf/ft ²)	
Temperature Coefficient	Voltage (Voc)	-0.35 %/°C	
	Current (Isc)	0.060 %/°C	
	Max Power(Pmax)	-0.45 %/°C	

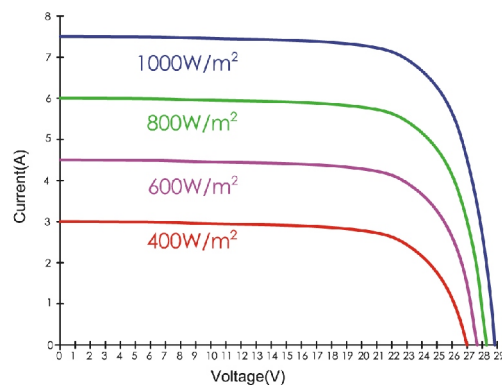
*NOCT (Normal Operating Cell Temperature): 45°C

**Module power tolerance: ±5W (approx. ±3%)

I-V Curves Under Different Temperatures, 1000W/m²



I-V Curves Under Different Irradiances ; AM 1.5 ; 25°C



*Specifications included in this datasheet are subject to change without prior notice.

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