



POLY-CRYSTALLINE MODULE

CE-275/280/285/290/295/300P60



Features

- High conversion efficiency through advanced manufacturing technology
- 12 years product warranty, 25 years linear performance warranty
- 3%- 5% positive tolerance ensures more power generated
- Withstand snow loads up to 5400Pa and wind loads up to 2400Pa under extreme temperature
- Anti-PID modules effectively reduce the loss in solar panel power output
- Anti salt mist corrosion & anti-ammonia corrosion test

Certificates

- Manufactured according to International Management System Standard
Quality Management system: ISO9001
Environmental Management System: ISO14001
- Certified and approved by CE, TUV, IEC 61215, IEC 61730

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CE-275/280/285/290/295/300P60



Electrical Characteristics under STC*

Module Type	CE-275P60	CE-280P60	CE-285P60	CE-290P60	CE-295P60	CE-300P60
Maximum Power-Pmax (Wp)	275	280	285	290	295	300
Voltage at Maximum Power-Vmp (V)	32.0	32.3	32.5	32.8	33.1	33.4
Current at Maximum Power-Imp (A)	8.61	8.69	8.77	8.86	8.95	9.03
Open Circuit Voltage-Voc (V)	39.1	39.4	39.6	39.8	40.1	40.3
Short Circuit Current-Isc (A)	9.15	9.20	9.26	9.32	9.37	9.43
Module Efficiency- η_m (%)	16.90	17.21	17.52	17.83	18.13	18.44
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Poly-crystalline	156.75x156.75 mm
Number of Cells	60 (6x10)	
Dimension	1640x992x30 mm (64.57x39.06x1.18 inches)	
Weight	19.5 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

Temperature Characteristics

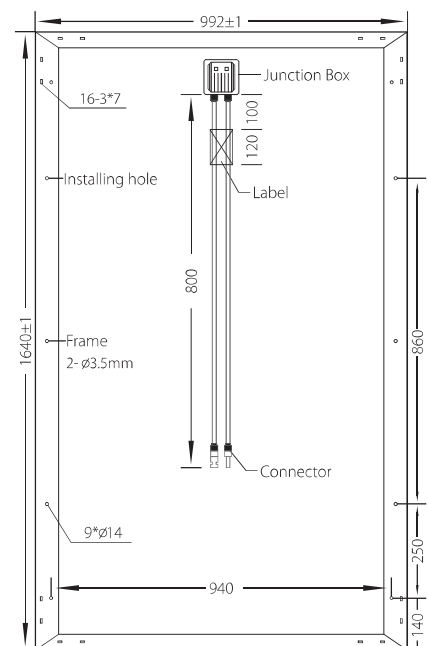
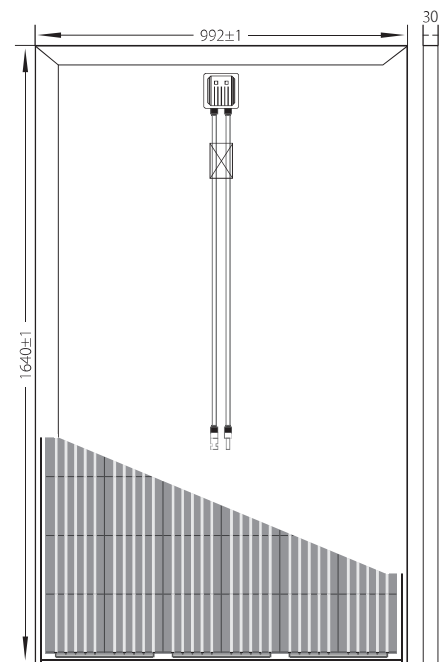
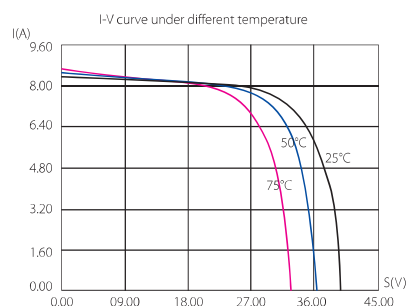
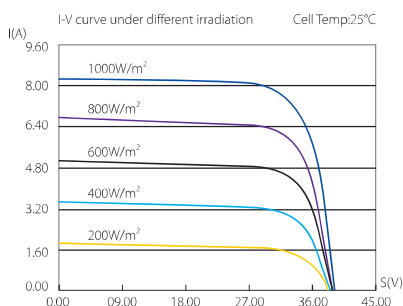
NOCT*	45 \pm 2 $^{\circ}$ C
Temperature Coefficient of Pmax (%)	-0.40/ $^{\circ}$ C
Temperature Coefficient of Voc (%)	-0.31/ $^{\circ}$ C
Temperature Coefficient of Isc (%)	0.04/ $^{\circ}$ C

Maximum System Ratings

Operating Temperature	-40 $^{\circ}$ C to +80 $^{\circ}$ C
Maximum System Voltage	1000/1500 V DC
Maximum Series Fuse Rating	20A

Warranty

- 12 years product warranty
- 12 years warranty on 90% power output
- 25 years warranty on 80% power output



*STC (Standard Testing Conditions): Irradiance 1000 W/m², cell temperature 25 $^{\circ}$ C, AM=1.5
ambient temperature 20 $^{\circ}$ C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 $^{\circ}$ C, wind speed 1 m/s
The specifications in this datasheet are subjected to change without prior notice