

## POLY-CRYSTALLINE MODULE

CE-270/275/280/285/290/295P60



## 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, and PV CYCLE

# POLY-CRYSTALLINE MODULE

CE-270/275/280/285/290/295P60



## Electrical Characteristics under STC\*

Module Type	CE-270P60	CE-275P60	CE-280P60	CE-285P60	CE-290P60	CE-295P60
Maximum Power-Pmax (Wp)	270	275	280	285	290	295
Voltage at Maximum Power-Vmp (V)	31.7	32.0	32.3	32.5	32.8	33.1
Current at Maximum Power-Imp (A)	8.53	8.61	8.69	8.77	8.86	8.95
Open Circuit Voltage-Voc (V)	38.8	39.1	39.4	39.6	39.8	40.1
Short Circuit Current-Isc (A)	9.09	9.15	9.20	9.26	9.32	9.37
Module Efficiency- $\eta_m$ (%)	16.60	16.90	17.21	17.52	17.83	18.13
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	1640x992x35 mm (64.57x39.06x1.38 inches)	
Weight	19.5 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

## Temperature Characteristics

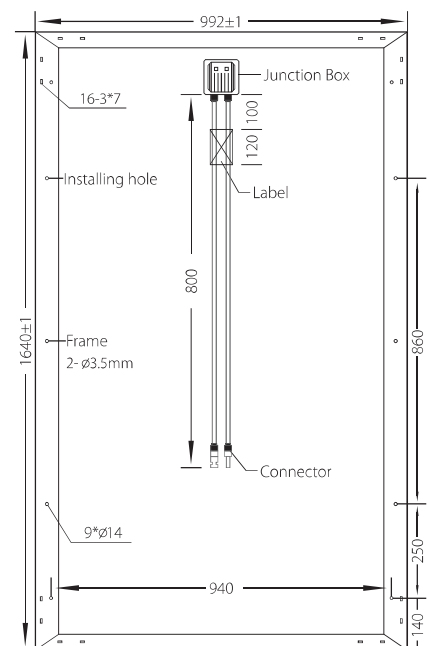
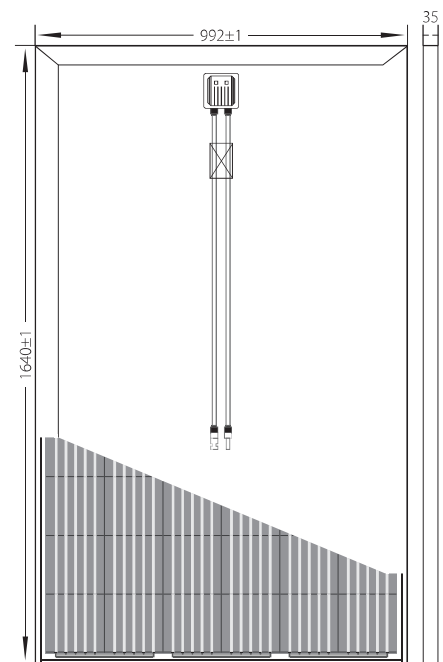
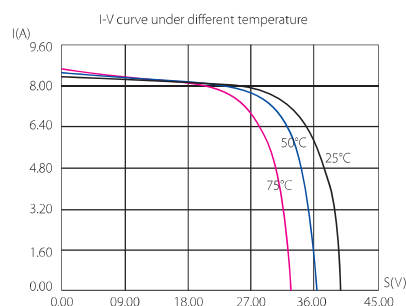
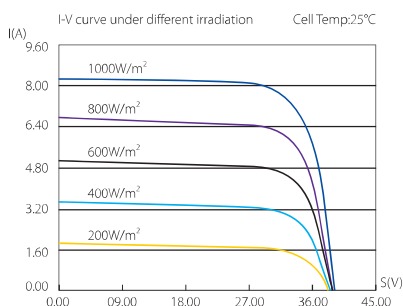
NOCT*	45 $\pm$ 2 $^{\circ}$ C
Temperature Coefficient of Pmax (%)	-0.40/ $^{\circ}$ C
Temperature Coefficient of Voc (%)	-0.31/ $^{\circ}$ C
Temperature Coefficient of Isc (%)	0.04/ $^{\circ}$ C

## 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/m<sup>2</sup>, 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/m<sup>2</sup>, ambient temperature 20  $^{\circ}$ C, wind speed 1 m/s  
The specifications in this datasheet are subjected to change without prior notice