



ECS-250/255/260/265/270/275/280M60 All-black Mono-crystalline PV Module

Features



- ☛ High conversion efficiency through advanced manufacturing technology
- ☛ Excellent performance under weak light conditions (mornings, evenings and cloudy days)
- ☛ Withstand snow loads up to 5400 Pa and wind loads up to 2400 Pa under extreme temperature
- ☛ 12 years product warranty and 25 years performance warranty ensure reliability of modules
- ☛ Easy installation

Certificates

- ☛ Manufactured according to International Management System Standard
Quality Management system: ISO9001
Environmental Management System: ISO14001
Occupational Health and Safety Management System: OHSAS18001
- ☛ Certified and approved by CE, INMETRO, TUV, IEC 61215, IEC 61730, MCS, CEC and PV CYCLE



Electrical Characteristics under STC*

Module Type	ECS-250M60	ECS-255M60	ECS-260M60	ECS-265M60	ECS-270M60	ECS-275M60	ECS-280M60
Maximum Power-Pmax (Wp)	250	255	260	265	270	275	280
Voltage at Maximum Power-Vmp (V)	30.3	30.5	30.7	30.9	31.1	31.3	31.5
Current at Maximum Power -Imp (A)	8.25	8.37	8.47	8.58	8.68	8.79	8.89
Open Circuit Voltage Voc (V)	37.5	37.6	37.7	37.8	37.9	38.0	39.5
Short Circuit Current-Isc (A)	8.56	8.68	8.80	8.90	9.01	9.12	9.15
Module Efficiency-ηm (%)	15.3	15.6	16.0	16.3	16.6	16.9	17.1
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline	156×156 mm (6 inches)
Number of Cells	60 (6×10)	
Dimension	1640×992×35 mm (64.57×39.06×1.38 inches)	
Weight	20.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

Temperature Characteristics

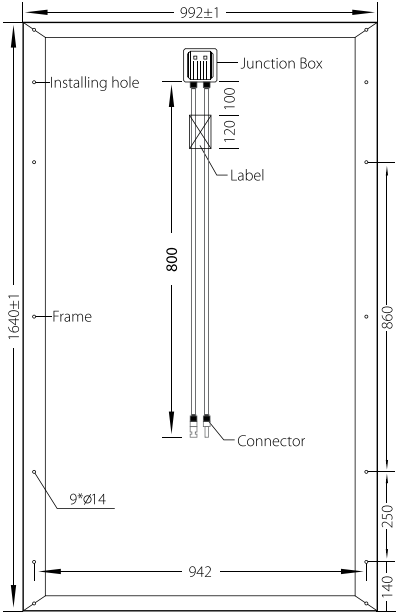
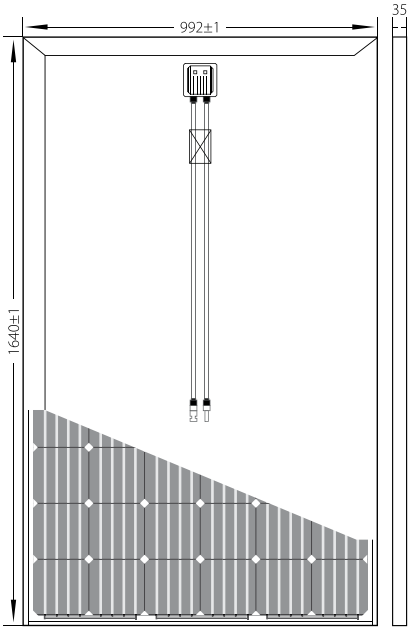
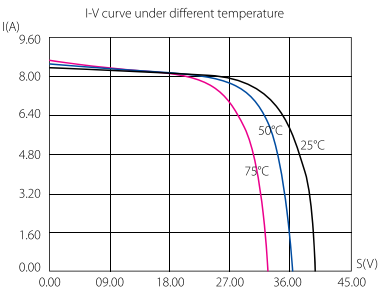
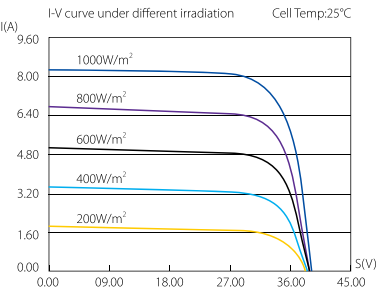
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

Maximum System Ratings

Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

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 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s *NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s
The specifications in this datasheet are subjected to change without prior notice