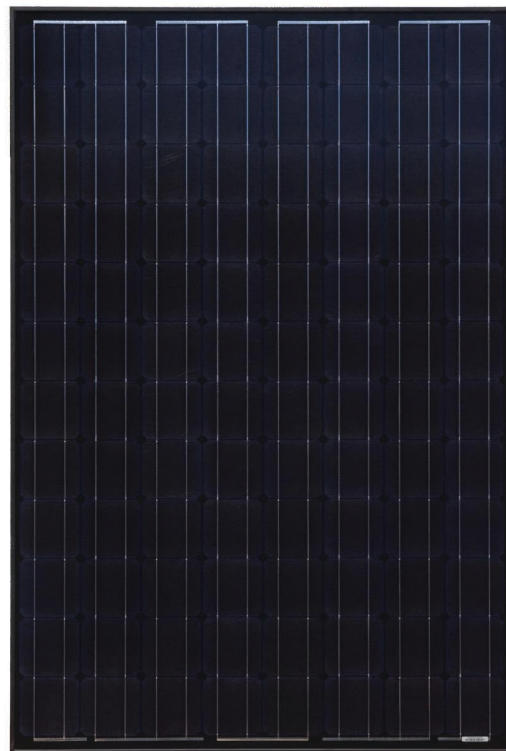


ECS-245/250/255/260/270D All Black Mono-crystalline PV Module

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
- € 10 years product warranty and 25 years performance warranty ensure reliability of modules
- € Easy installation



Certificates

- € Manufactured according to International Quality Management System Standard: ISO 9001
- € Certified and approved by CE, TUV, IEC 61215, IEC 61730, MCS, CEC and PV CYCLE

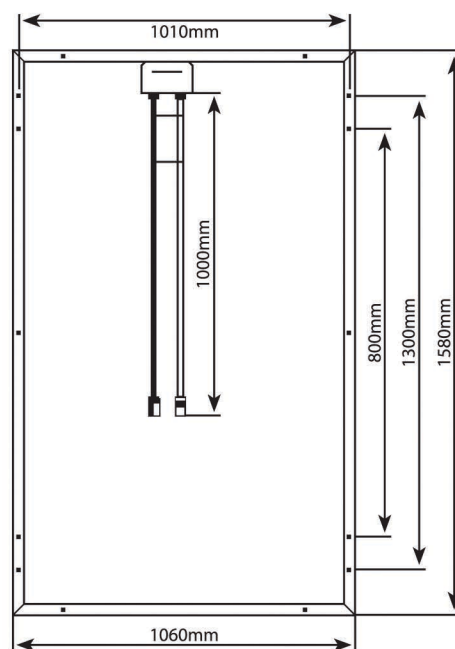


Electrical Characteristics under STC*

Module Type	ECS-245D	ECS-250D	ECS-255D	ECS-260D	ECS-270D
Maximum Power-P _{max} (Wp)	245	250	255	260	270
Voltage at Maximum Power-V _{mp} (V)	48.4	48.7	49.0	49.3	49.5
Current at Maximum Power-I _{mp} (A)	5.06	5.14	5.20	5.27	5.49
Open Circuit Voltage-V _{oc} (V)	59.6	59.8	59.9	60.0	60.3
Short Circuit Current-I _{sc} (A)	5.42	5.49	5.56	5.62	5.93
Module Efficiency- η_m (%)	14.63	14.93	15.23	15.52	15.95
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline 125×125 mm (5 inches)
Number of Cells	96 (8×12)
Dimension	1580x1060x40mm (62.20x41.73x1.57 inches)
Front cover	3.2mm
Weight	21 kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy



Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of P _{max}	-0.50%/°C
Temperature Coefficient of V _{oc}	-0.35%/°C
Temperature Coefficient of I _{sc}	0.060%/°C

Maximum System Ratings

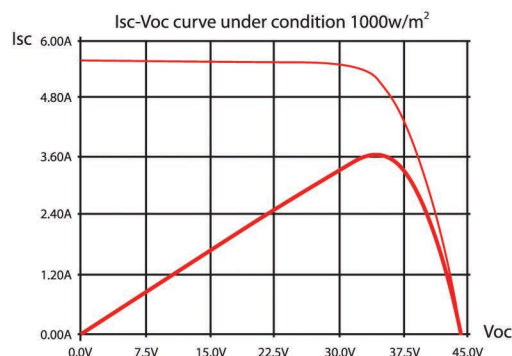
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	10A

Warranty

10 years product warranty

10 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

*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