

# Monocrystalline Photovoltaic Panel

## SE0170M-ANS

The SE0170M-ANS module is designed strictly according to the IEC61215 standard. It uses a textured cell surface and tempered glass for solar use only to reduce reflection of sunlight. An anti-reflective coating provides a uniform blue color and increases the absorption of light in all weather conditions. This module has been encapsulated with the greatest care and can resist corrosion caused by rain, water & gas. The anti-shock performance makes it resist hail and work under atrocious weather conditions where temperature changes are frequent and sudden.

### Electrical Characteristics

Maximum Power (P <sub>MAX</sub> )	170W
Power Tolerance	±5%
Maximum Power Voltage (V <sub>MP</sub> )	35V
Maximum Power Current (I <sub>MP</sub> )	4.86A
Open Circuit Voltage (V <sub>OC</sub> )	44V
Short Circuit Current (I <sub>SC</sub> )	5.36A
Max. System Voltage (IEC61215)	600VDC
Max. System Voltage (TüV Rating)	750VDC
Module Efficiency (η <sub>m</sub> )	13.3%
Temperature Coefficient (V <sub>oc</sub> )	-0.35±0.02%/°C
Temperature Coefficient (I <sub>SC</sub> )	+0.025±0.015%/°C
Temperature Coefficient Power	+0.4±0.05%/°C
NOCT	47°C±2/°C

### Standard Test Conditions

AM	1.5
Irradiation	1000W/m <sup>2</sup>
T <sub>c</sub>	25°C

### Mechanical Characteristics

Weight	16kg
Frame Structure (Material Corners)	Aluminum Anodized
Front Side	Glass
Front Glass Thickness	3.2mm
Encapsulant	EVA
Back Side	TPT
Junction Box	IP65
Bypass Diode	Three 10Amp
Series Fuse Rating	10A

### Packing/Transport Information

Packing Configuration	10 pcs per carton
Size of Carton	1630x550x900mm
Weight of Carton	9kg
Cartons per 20' Container	24 Cartons
Cartons per 40' Container	56 Cartons

### Absolute Maximum Ratings

Operating Temperature	-40°C~±90°C
Storage Temperature	-40°C~±90°C
Dielectric Isolation Voltage	1000V DC
Maximum Wind Resistance	60m/s
Maximum Load Capacity	200kg/m <sup>2</sup>
Maximum Hail diameter @ 80km/hr	25mm

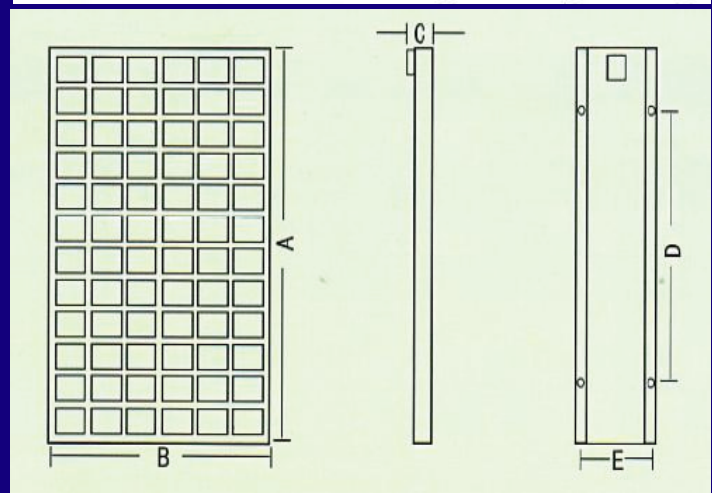
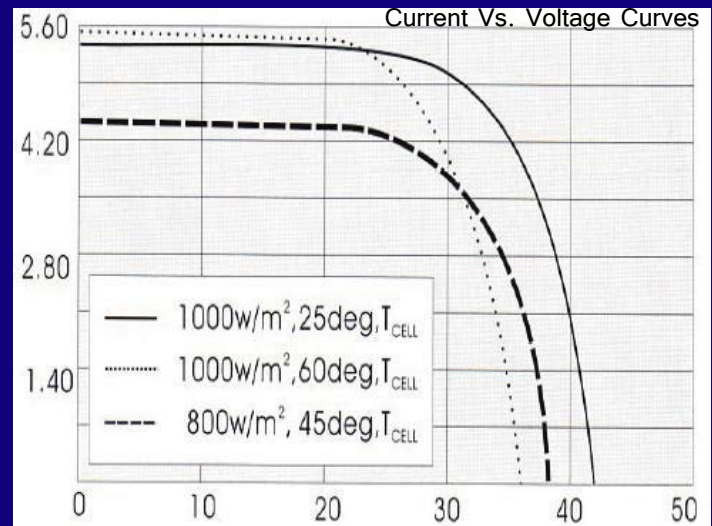
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to home environments"



25 year performance Warranty (90% after 10 years, 80% after 25 years)  
& 2 year product Warranty.



A: 580mm B: 808mm C: 46mm D: 1176±2mm E: 737±2mm



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