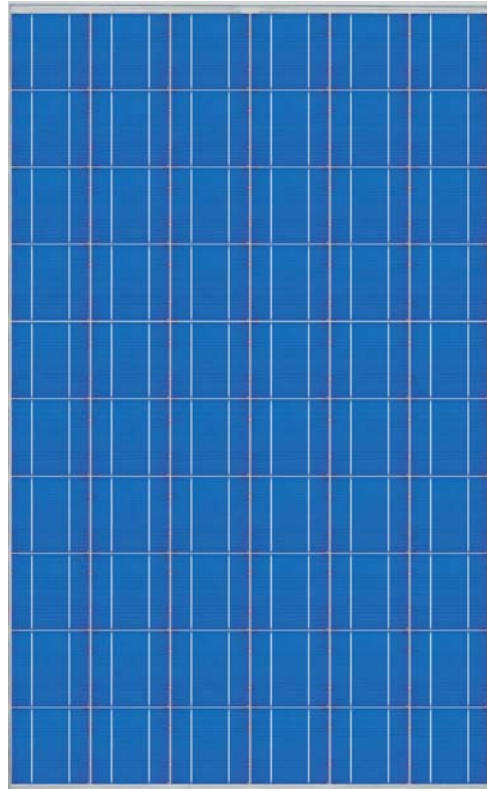


# Solar Module SE6M60 Series

SE6M60 Series are designed for high power output. SE6M60 Series are made of poly-crystalline silicon solar cells which have lifetime of more than 25 years. Our modules have been awarded top rating in numbers of surveys and independent studies. Low iron-tempered glass is designed to resist all the shocks and improve light transmittance. EVA (Ethylene Vinyl Acetate) film is designed to protect and insulate the solar cells. Aluminum frames are durable and solid, and are anodized for proof against rust. A waterproof junction box is designed to allow any serial/parallel arrangement, and integrated bypass diodes prevent loss of power output from partial shade. Symphony Energy's modules are guaranteed by strict test and studies for their quality. We sure these modules can support all photovoltaic industrial area through safety and economy.



## Cell Characteristics

Type	Multi
Size	156 x 156 mm
Number of Cells	60

## Electrical Characteristics

	SE-M201	SE-M206	SE-M210	SE-M216	SE-M222	SE-M225	SE-M228	SE-M233	SE-S240	SE-S250
Peak Power (Wp)	201 W	206 W	210 W	216 W	222 W	225 W	228 W	233 W	240 W	250 W
Peak Power Voltage (Vmpp)	27.1 V	29.1 V	29.1 V	29.6 V	30.0 V	30.2 V	30.2 V	30.4 V	30.0 V	30.7 V
Peak Power Current (Imp)	7.41 A	7.09 A	7.21 A	7.30 A	7.40 A	7.44 A	7.54 A	7.68 A	8.01 A	8.14 A
Open Circuit Voltage (Voc)	32.7 V	35.9 V	36.0 V	36.2 V	36.5 V	36.6 V	36.7 V	36.9 V	36.6 V	37.0 V
Short Circuit Current (Isc)	8.07 A	7.76 A	7.80 A	7.89 A	7.99 A	8.06 A	8.12 A	8.25 A	8.71 A	8.87 A
Module Efficiency (ηm)	12.5%	12.8%	13.1%	13.4%	13.8%	14.0%	14.2%	14.5%	14.9%	15.6%
Power tolerance(%)	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%

## Physical Characteristics

Length	1636 mm
Width	982 mm
Thickness	35 mm
Weight	17 kg
Mounting Holes (Ø=8 mm)	6

## Temperature coefficients

Temperature coefficients of Isc	+0.06 %/°C
Temperature coefficients of Voc	-0.35 %/°C
Temperature coefficients of Pm (%)	-0.46 %/°C

## Limits

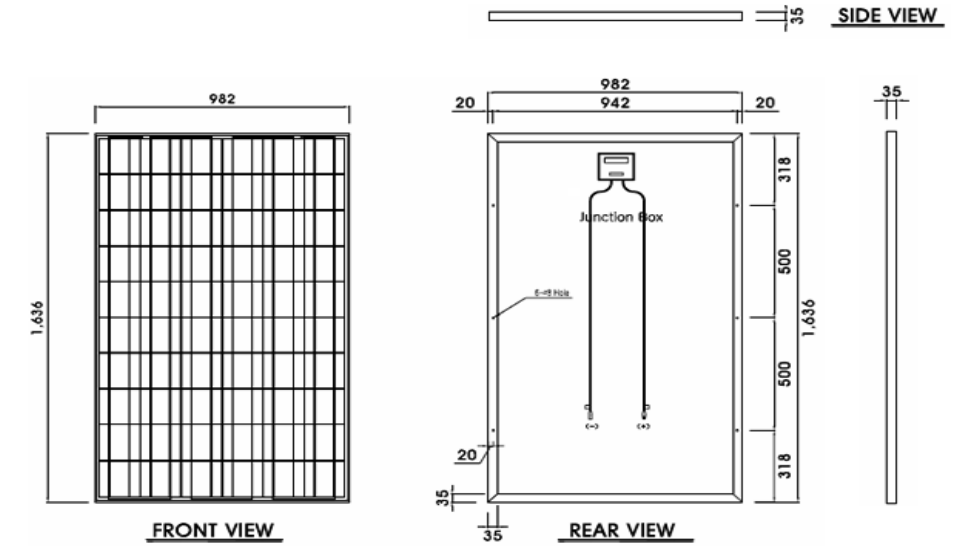
Operating Temperature	-40 ~90 °C
Storage Temperature	-40 ~90 °C
Maximum System Voltage	DC 1,000V

## Warranty

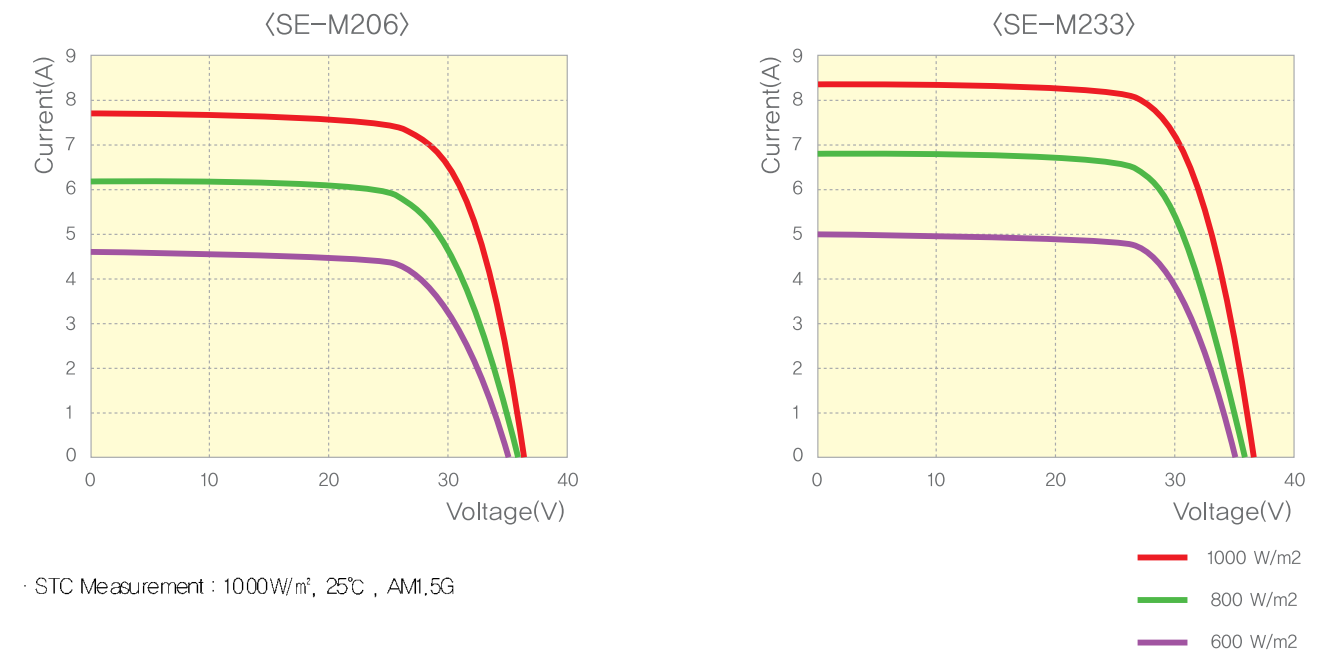
90% of minimum warranty power output for 10 years  
80% of minimum warranty power output for 25 years  
Free from defect in materials and workmanship for 3 years

# Solar Module SE6M60 Series

## Module Dimensions



## I-V Curves



**IEC &  
Safety Class II  
Applied for**