



SE6M60 SERIES

ARE DESIGNED FOR HIGH POWER OUTPUT.

The SE6M60 Series, Poly-Crystalline Silicon Modules, represent one of the best products In the PV industry. These products, made of Environmentally sustained material, are light and easy to install.



ANODIZED FRAME



MECHANICAL LOAD
AT 5400 Pa/550 kg



90 % OUTPUT 10 YEARS
80% OUTPUT 25 YEARS
10 YEAR MATERIAL & WORKMANSHIP



⊖ CELL CHARACTERISITCS

Type	Multi
Size	156 x 156 mm
Number of cells	60

⊖ ELECTRICAL CHARACTERISTICS

	SE-M225	SE-M228	SE-M230	SE-M232	SE-M235
Peak Power (Wp)	225 W	228 W	230 W	232 W	235W
Peak Power Voltage (Vmpp)	30.2 V	30.2 V	30.2 V	30.3V	30.5 V
Peak Power Current (Imp)	7.44 A	7.54 A	7.61 A	7.65 A	7.72 A
Open Circuit Voltage (Voc)	36.6 V	36.7 V	36.7 V	36.8 V	37.0V
Short Circuit Current (Isc)	8.06 A	8.12 A	8.16 A	8.20 A	8.24A
Module Efficiency (m	14.0 %	14.2 %	14.3 %	14.4 %	14.7 %
Power tolerance(%)	+/-3%	+/-3%	+/-3%	+/- 3%	+/- 3%

Standard Test Condition(STC): AM 1.5/1000 W/ m² / 25 °C
 Mechanical load at 5400 Pa/550 kg has been performed.
 TUV certificate coverage: SE-M210~M235 in 1 incremental steps.
 * Capable of producing all items in this range of from 210W to 235W

Photovoltaic module

High performance Poly-crystalline PV module – SE6M60

PHYSICAL CHARACTERISTICS

mm(in)

Length	1636 mm (64.4)
Width	982 mm (38.66)
Thickness	35 mm (1.37)
Weight	19 kg (41.88 lbs)
Junction Box, Cable (1m), Connectors	Tyco

LIMITS

Operating Temperature	-40~90 °C (-40~194°F)
Storage Temperature	-40~90 °C (-40~194°F)
Maximum System Voltage	DC 1,000 V

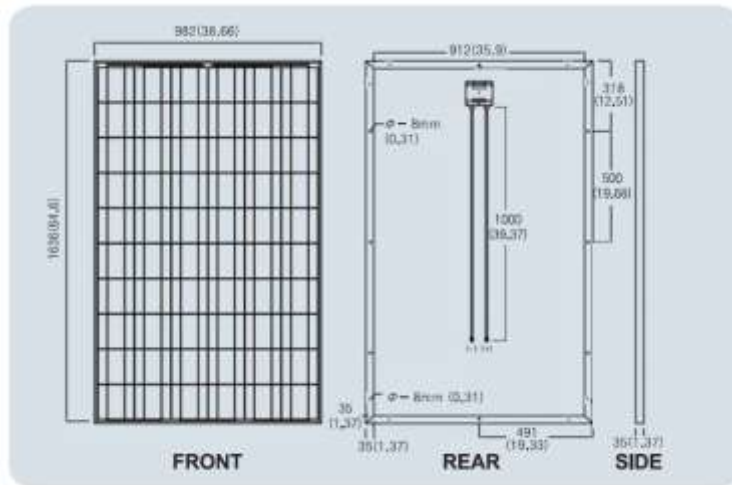
TEMPERATURE COEFFICIENTS

Temperature coefficients of I_{sc}	+0.06%/°C
Temperature coefficients of V_{oc}	-0.35%/°C
Temperature coefficients of P_m	-0.46%/°C
NOCT	46 °C

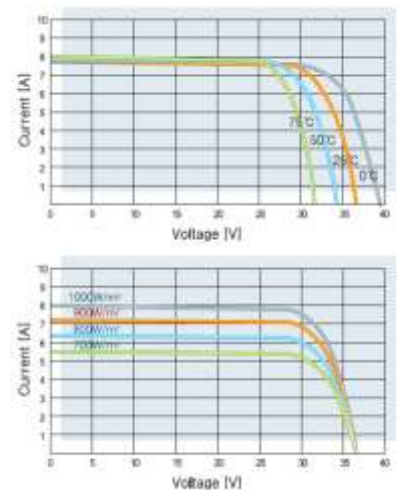
WARRANTY

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 10 years

MODULE DIMENSIONS



MODULE DIMENSIONS



ISO 9001, 14001 BY AFAQ-EAQA
 IEC 61215, 61730 BY TUV
 C-UL US 1703

SYMPHONY ENERGY

671-2, YONG-DONG, GWANGSAN-GU, GWANGJU 506-503, SOUTH KOREA,
 T: +82-62-949-7763
 F: +82-62-949-7741
 EMAIL: sales@symphonyenergy.com, www.symphonyenergy.com