

SEGM6-72 (275w-300w)

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.37%/°C
Current temperature coefficient(Isc)	+0.035%/°C
Power temperature coefficient(Pmpp)	-0.44%/°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	72 Mono-crystalline 156 x 156mm
Front Glass	4.0mm tempered
Junction Box	IP65 rated
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	27Kg
Dimension	1968x993x40mm

WARRANTY AND CERTIFICATIONS

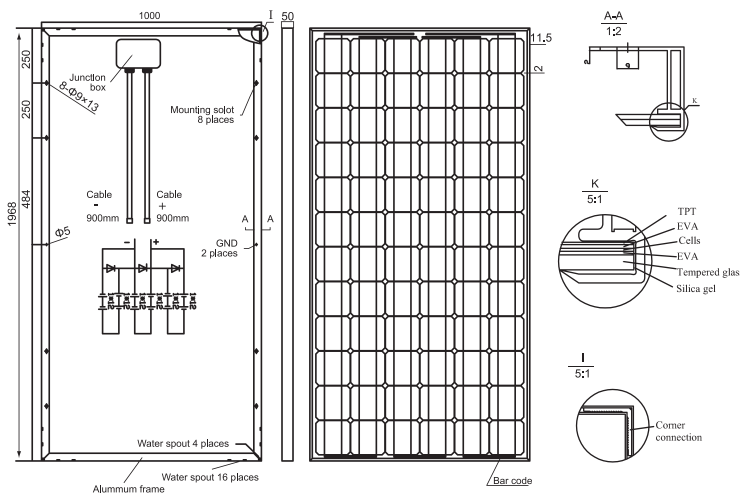
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE,ETL



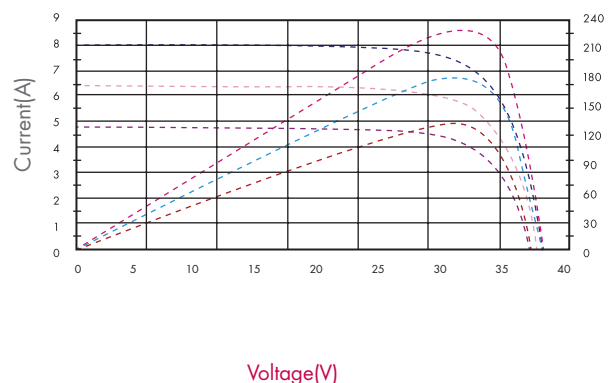
ELECTRICAL DATA

Nominal peak power(Wp)	275W	280W	285W	290W	295W	300W
Nominal voltage(Vmp)	35.9V	36.0V	36.1V	36.2V	36.3V	36.4V
Nominal current(Imp)	7.66A	7.78A	7.89A	8.01A	8.13A	8.24A
Open circuit voltage(Voc)	44.4V	44.5V	44.7V	44.8V	44.9V	45.0V
Short circuit current(Isc)	8.26A	8.39A	8.50A	8.60A	8.74A	8.87A
Module efficiency	14.0%	14.2%	14.5%	14.7%	15.0%	15.2%
Operating Temperatre	-40 to +85°C					
Maximum System Voltage	1000V DC					

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph SEGM6-72



—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC PV data —○— 800W/m² PV data —○— 600W/m² PV data