

# SOLAR MODULE



## MONOCRYSTALLINE SY-180M / SY-185M SY-190M / SY-195M / SY-200M

### Specifications

Cell	Monocrystalline Silicon Solar Cell 125mm*125mm
No. of cell	72 (6*12)
Dimension(mm)	1580*808*35
Weight	14.5 kg

### Characteristics

Model	SY-180M	SY-185M	SY-190M	SY-195M	SY-200M
Open circuit voltage(Voc)	44.2	44.5	45	46	46.5
Optimum operating voltage (Vmp)	36.2	36.5	36.8	37	37.2
short circuit current(Isc)	5.45	5.55	5.58	5.6	5.62
Optimum operating current(Imp)	4.97	5.07	5.16	5.27	5.38
Maximum power at STC(p <sub>m</sub> )	180Wp	185Wp	190Wp	195Wp	200Wp

STC : Irradiance 1000w/m<sup>2</sup>, Module Temperature 25°C, AM=1.5

### Limits

Operating Temperature	-40°C to +85°C
Maximum system voltage	1000V DC

### Temperature and Coefficient

NOCT	45°C ± 2°C	
Current temperature Coefficient	%/°C	0.1
Voltage temperature Coefficient	%/°C	-0.38
Power temperature Coefficient	%/°C	-0.5

NOCT: Normal Operation Cell Temperature

### Mechanical Parameters

Type of output terminal	Junction Box
Cable	LAPP (4.0mm <sup>2</sup> )
Lengths	900 mm
Frame	Anodized Aluminum Alloy
Front Glass	3.20mm tempered glass

