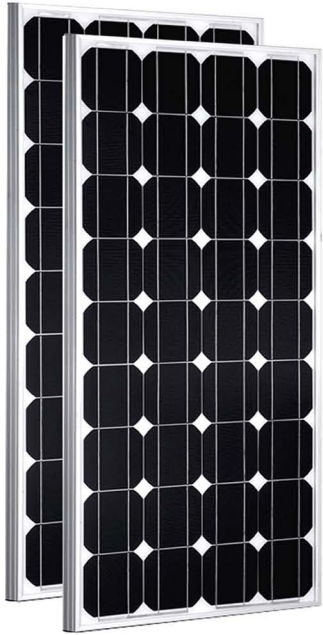


Solar Panel

Mono-crystalline Module 90~110 Watt



Key Features :

- Long lifespan more than 25 years
- Manufactured according to ISO9001 and ISO14001
- High efficiency and reliable crystalline silicon solar cells
- High endurance to different weather
- Anti-ageing EVA and excellent anti-climate back sheet.
- High transmission low iron tempered glass, strong resistance
- Anodized aluminum frame improves load resistance capabilities

Applications :

- Off grid power station applications
- Countryside and remote areas
- Railway signal
- Small-scale irrigation pumping pumps
- Street lighting system.
- Emergency communication system
- 12V and 24V battery charging system

Electrical Parameters at STC

Model	YS90M-36	YS95M-36	YS100M-36	YS105M-36	YS110M-36
Rated Maximum Power at STC	90W	95W	100W	105W	110W
Maximum Power Voltage (Vmp)	17.87V	17.91V	18.11V	18.21V	18.27V
Maximum Power Current (Imp)	5.04A	5.31A	5.53A	5.77A	6.03A
Open Circuit Voltage (Voc)	21.41V	21.52V	22.61V	22.73V	22.85V
Short Circuit Current (Isc)	5.51A	5.81A	5.91A	6.02A	6.15A
Module Efficiency	13.81%	14.58%	15.34%	16.11%	16.88%
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%

STC: Irradiance 1000W/㎡, Module Temperature 25°C, Air Mass 1.5

Mechanical Parameters

Cell Type	Mono-crystalline 125x125mm (5inch)
No. of Cells	36 (4x9)
Dimension	1199x543x30/35mm
Weight	7.2kg (approx)
Glass	3.2mm, High Transmission ,Low Iron , Tempered Glass
Junction Box	IP65 & IP67 Rated
Output Cable	Length: 600mm
Frame	Anodized Aluminum Alloy
No. of Bypass Diodes	2
Connector	MC4 Compatible

Working Conditions

Maximum System Voltage	DC 1000V(IEC) / 600V(UL)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
NOCT	45 ± 2°C
Application Class	Class A

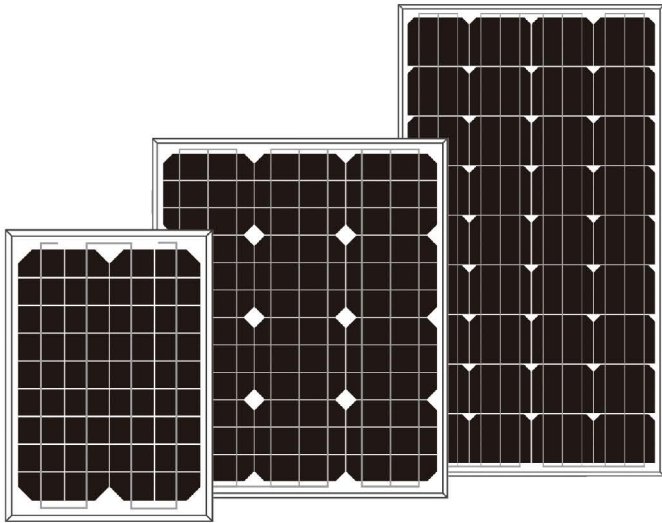
Temperature Coefficient

Temperature Coefficient of Pmax	-0.40%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	+0.05%/°C

Standard Packaging Configuration

Container Type	20'GP	40'GP	40'HQ
Pallets Quantity	12	24	24
Module Quantity	792	1584	1800

Mono-crystalline Module 5~85 Watt



Key Features :

- Long lifespan more than 25 years
- Manufactured according to ISO9001 and ISO14001
- High efficiency and reliable crystalline silicon solar cells
- High endurance to different weather
- Anti-ageing EVA and excellent anti-climate back sheet.
- High transmission low iron tempered glass, strong resistance
- Anodized aluminum frame improves load resistance capabilities

Applications :

- Off grid power station applications
- Countryside and remote areas
- Railway signal
- Small-scale irrigation pumping pumps
- Street lighting system.
- Emergency communication system
- 12V and 24V battery charging system

5W~30W Mono-crystalline Solar Panel Electrical Parameters at STC

Model	YS5M	YS10M	YS15M	YS20M	YS25M	YS30M
Rated Maximum Power at STC	5W	10W	15W	20W	25W	30W
Maximum Power Voltage (Vmp)	17.4V	17.5V	17.4V	17.5V	17.5V	17.6V
Maximum Power Current (Imp)	0.29A	0.58A	0.87A	1.15A	1.43A	1.71A
Open Circuit Voltage (Voc)	21.8V	22.1V	21.8V	22.1V	21.8V	22.1V
Short Circuit Current (Isc)	0.31A	0.61A	0.94A	1.28A	1.54A	1.86A
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Dimension	330x170x20mm	330x290x20mm	330x353x20mm	353x430x20mm	520x353x20mm	570x420x20mm
Weight (approx)	0.65kg	1.2kg	1.6kg	1.95kg	2.2kg	2.9kg
STC: Irradiance 1000W/㎡, Module Temperature 25°C, Air Mass 1.5						
Maximum System Voltage	DC 1000V(IEC) / 600V(UL)					
Operating Temperature	-40°C~+85°C					
Temperature Coefficient of Pmax	-0.40%/°C					
Temperature Coefficient of Voc	-0.30%/°C					
Temperature Coefficient of Isc	+0.05%/°C					

40W~85W Mono-crystalline Solar Panel Electrical Parameters at STC

Model	YS40M	YS50M	YS60M	YS70M	YS80M	YS85M
Rated Maximum Power at STC	40W	50W	60W	70W	80W	85W
Maximum Power Voltage (Vmp)	17.5V	17.6V	17.8V	17.4V	17.8V	17.8V
Maximum Power Current (Imp)	2.28A	2.85A	3.37A	4.06A	4.55A	4.78A
Open Circuit Voltage (Voc)	22.1V	22.2V	22.4V	21.8V	22.4V	21.3V
Short Circuit Current (Isc)	2.54A	3.09A	3.68A	4.35A	4.86A	5.32A
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Dimension	540x543x25mm	605x543x25mm	585x673x25mm	680x673x25mm	770x673x30mm	1199x543x30mm
Weight (approx)	3.9kg	4.5kg	4.7kg	5.8kg	6.4kg	7.2kg
STC: Irradiance 1000W/㎡, Module Temperature 25°C, Air Mass 1.5						
Maximum System Voltage	DC 1000V(IEC) / 600V(UL)					
Operating Temperature	-40°C~+85°C					
Temperature Coefficient of Pmax	-0.40%/°C					
Temperature Coefficient of Voc	-0.30%/°C					
Temperature Coefficient of Isc	+0.05%/°C					