

Mono



SA200-72M

SA205-72M SA200-72M

SA195-72M SA190-72M

>19%

Cell efficiency

World class poly efficiency
Positive tolerance offer

200W

Highest power output

PID-free
Tighter distribution and current sorting
reduces power loss in system operation

10 Year

workmanship
warranty

Certified for salt & ammonia corrosion,
blowing sand and hail resistance
conditions

25 Year

Linear power output
warranty

Good temperature coefficient enables higher
output in high temperature regions

The company was established in Jan 2006, and is a hi-tech corporation with its core business in R&D, manufacturing, and sale of high efficiency silicon based solar modules and system.

As one of PV enterprises in the world, we have fully automatic production line and supply solar panel for to residential, commercial, utility and off -grid projects all around the world

Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities . We are always committed to higher efficiency, more stable and better cost performance products



Electrical characteristics at Standard Test Conditions (STC)

Model	SA205-72M	SA200-72M	SA195-72M	SA190-72M
Max Power - Pmpp (W)	205	200	195	190
Positive power tolerance	+3%	+3%	+3%	+3%
Open Circuit Voltage - Voc (V)	46.8	46.2	45.8	45.6
Short Circuit Current - Isc (A)	5.8	5.7	5.6	5.5
Max Power Voltage-Vmpp (V)	39	38.5	38.2	38
Max Power Current - Imp (A)	5.3	5.2	5.1	5
Module Efficiency	16.5	15.8	15.5	15.1

Electrical data relates to standard test conditions (STC) : irradiance 1000 W/m² ; AM 1.5 ; cell temperature 25°C measuring uncertainty of power is within ±3%.
Certified in accordance with IEC61215, IEC61730-1/2

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Model	SA205-72M	SA200-72M	SA195-72M	SA190-72M
Max Power - Pmpp (W)	150	146	142	139
Max Power Voltage - Vmpp (V)	35.9	35.4	35.1	34.9
Max Power Current - Imp (A)	4.2	4.1	4.0	4.0
Open Circuit Voltage - Voc (V)	43.8	43.2	42.8	42.6
Short Circuit Current - Isc (A)	4.5	4.4	4.3	4.3

Electrical data relates to normal operating cell temperature (NOCT): irradiance 800 W/m² ; wind speed 1 m/s ; cell temperature 45 °C; ambient temperature 20 °C measuring uncertainty of power is within ±3%

Temperature Characteristics

Voltage Temperature Coefficient	-0.307%/K
Current Temperature Coefficient	+0.039%/K
Power Temperature Coefficient	-0.423%/K

Maximum Ratings

Maximum system voltage	1000
Series fuse rating (A)	15
Reverse current overloa	25

Mechanical Characteristics

Mechanical Characteristics

Dimensions	1580*808*35mm
Weight	15kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6 × 12 pieces mono solar cells series strings (125 mm × 125 mm)
Junction Box	Rated current ≥ 12A, IP ≥ 65, TUV
Cable	Length 900 mm, 1 × 4 mm ²
Connector	MC 4/ compatible with MC 4

Packaging

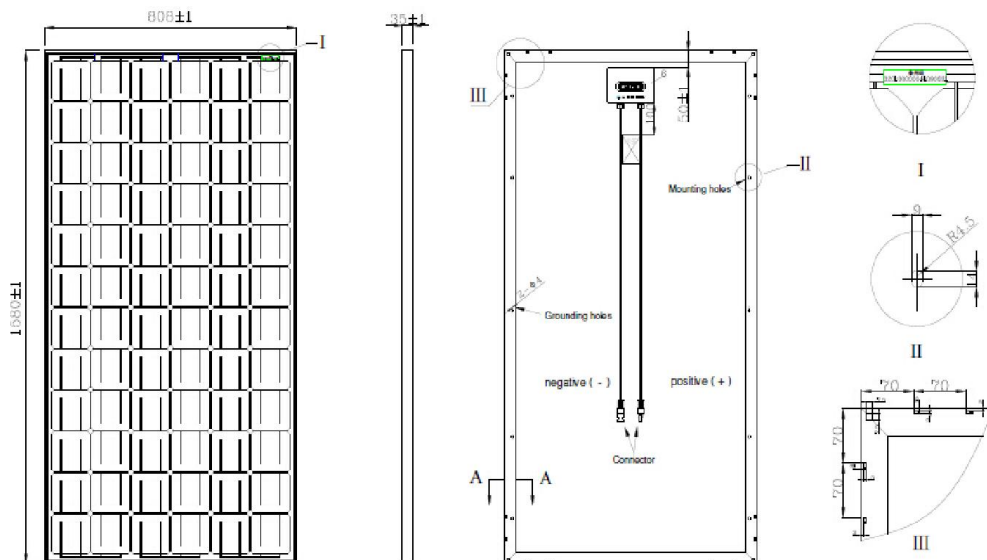
Container 20'	400pcs
Container 40'	850pcs
Container 40'HC	964pcs

System Design

Temp. range	-40°C to + 85°C
Hail	max. diameter of 25mm with 23m/s impact speed
Max. capacity	Snow 5400 Pa, wind 2400 Pa
Application class	A
Safety class	II

Dimensions

Note: Module layout below only valid for modules with 35mm thickness. All dimensions in mm.



IV-Curves

