

Poly



SA150-36P

SA160-36P SA155-36P

SA150-36P SA145-36P

>17.6%

Cell efficiency

World class poly efficiency
Positive tolerance offer

150W

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

SinoSola, established in Jan 2006, 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, SinoSola has 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 . SinoSola has always committed to higher efficiency, more stable and better cost performance products



All information and data are subject to change without notice.

www.sinosola.cn

Electrical characteristics at Standard Test Conditions (STC)

Model	SA160-36P	SA155-36P	SA150-36P	SA145-36P
Max Power - Pmpp (W)	160	155	150	145
Positive power tolerance	±5%	±5%	±5%	±5%
Open Circuit Voltage - Voc (V)	23.2	22.9	22.7	22.6
Short Circuit Current - Isc (A)	9.1	8.9	8.7	8.5
Max Power Voltage-Vmpp (V)	19.3	19.1	18.9	18.8
Max Power Current - Imp (A)	8.3	8.1	7.9	7.7
Module Efficiency	15.6	15.3	15.0	14.7

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				
Max Power - Pmpp (W)	117	113	110	106
Max Power Voltage - Vmpp (V)	17.8	17.6	17.4	17.3
Max Power Current - Imp (A)	6.6	6.4	6.3	6.1
Open Circuit Voltage - Voc (V)	21.7	21.4	21.2	21.1
Short Circuit Current - Isc (A)	7.1	6.9	6.8	6.6

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	715
Series fuse rating (A)	10
Reverse current overloa	25

Mechanical Characteristics

Mechanical Characteristics

Dimensions	1482*676*35mm
Weight	11kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	4 × 9 pieces poly solar cells series strings (156 mm × 156 mm)
Junction Box	Rated current ≥ 10A, IP ≥ 65, TUV
Cable	Length 900 mm, 1 × 2.5 mm2(without)
Connector	MC 4/ compatible with MC 4(without)

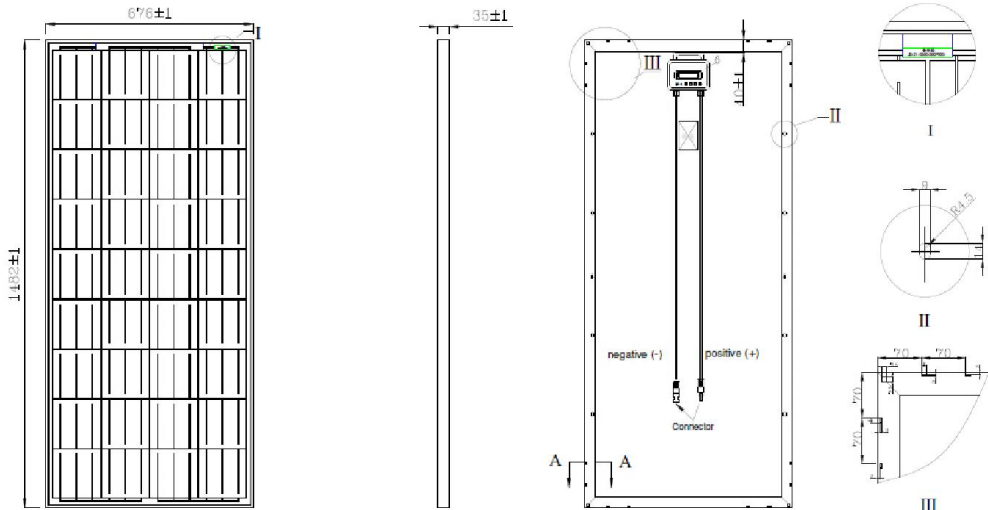
Packaging

Container 20'	550pcs	Temp. range	`-40°C to + 85°C
Container 40'	1150pcs	Hail	max. diameter of 25mm with 23m/s impact speed
Container 40'HC	1250pcs	Max. capacity	Snow 5400 Pa, wind 2400 Pa
		Application class	A
		Safety class	II

System Design

Dimensions

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



IV-Curves

