

Electrical Performance (STC: AM 1.5, 1000W/m², 25°C)

Module Type	ST130P6-36	ST120P6-36	ST110P6-36	ST100P6-36	ST90P6-36	ST80P6-36	ST70P6-36
Maximum Power (P _{max} / W)	130	120	110	100	90	80	70
Power Tolerance	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Maximum Power Voltage (V _m / V)	18.1	18.0	17.8	17.8	17.8	18.1	17.6
Maximum Power Current (I _m / A)	7.19	6.65	6.18	5.62	5.06	4.42	3.97
Open Circuit Voltage (V _{oc} / V)	21.9	21.8	21.4	22.4	22.6	22.6	21.3
Short Circuit Current (I _{sc} / A)	7.92	7.33	6.55	5.95	5.36	4.68	4.44
Module Efficiency (%)	15.16	15.05	14.7	15.0	15.0	15.5	14.51

System Design

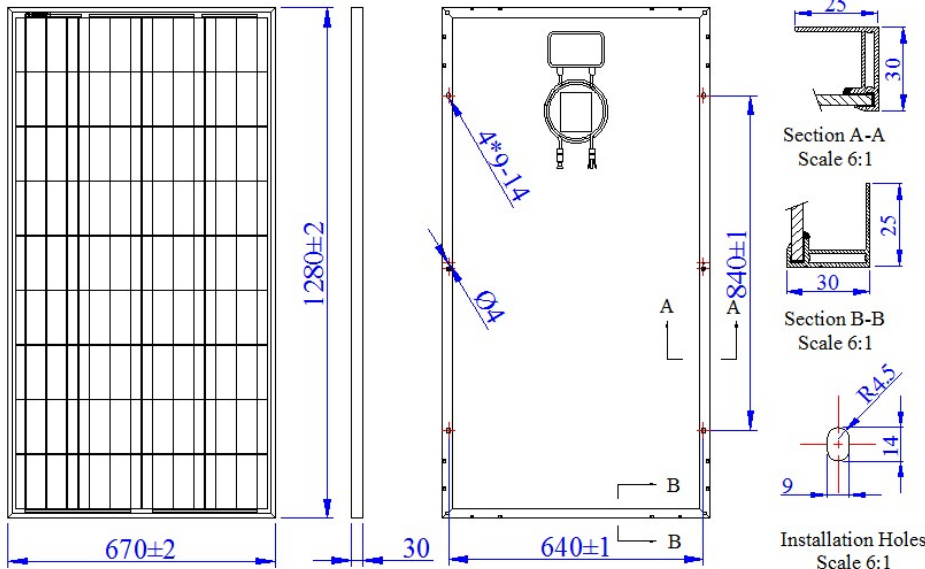
Static Load (Front/Back)	5400Pa/2400Pa
Application class	Class A
Fire safety class (IEC61730)	Class C

Operation Conditions

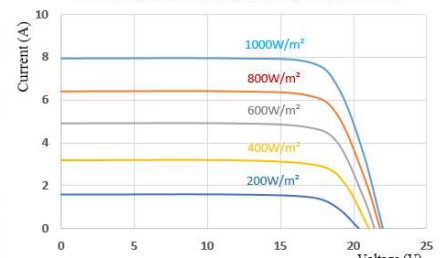
Maximum System Voltage (VDC)	1000 (IEC)/ 600 (UL)
Maximum Series Fuse Rating (A)	10
Operating Module Temperature (°C)	-40 to +85

Mechanical Properties

Dimensions (L×W×H / mm)	1280×670×30	1190×670×30	1120×670×30	1000×670×30	900×670×30	770×670×30	720×670×30
Installation holes distance (L×W/m)	840×640	780×640	600×640	500×640	450×640	390×640	480×640
Weight (Kg)	11.2	10.9	8.6	8	7	6	5.6
Sizes of Cells (L×W/mm)	156×135	156×124.8	156×117	156×104	156×91	156×78	156×73
No. of Cells (pcs)	36 (4×9)	36 (4×9)	36 (4×9)	36 (4×9)	36 (4×9)	36 (4×9)	36 (4×9)
Sizes of Junction box cable (mm ² /m)	4 / 900	4 / 900	4 / 900	4 / 900	2.5 / 900	2.5 / 900	2.5 / 900
Container 20GP(pcs)	640	640	680	680	1088	1088	1120
Container 40HQ(pcs)	1632	1728	2040	2244	2448	2856	2880



I-V Curves at different irradiances, Temp. cell 25°C



I-V Curves at different cell temperatures, AM1.5, 1000W/m²

