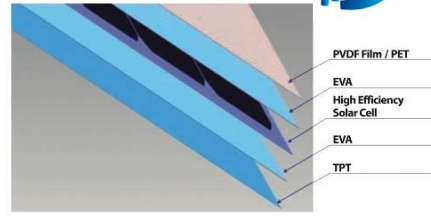


Flexible Panel-ST100~120M5



Maximum recommended bending degree: 30 degree



Encapsulation structure of schematic view

- PVDF Film / PET
- EVA
- High Efficiency Solar Cell
- EVA
- TPT



Golf Car



Patrol Car



Travel Tourism Car



Solar Boat

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

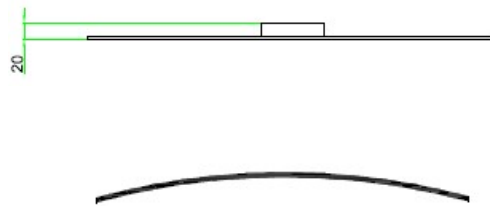
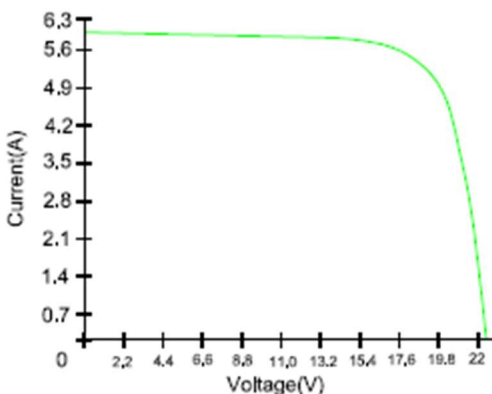
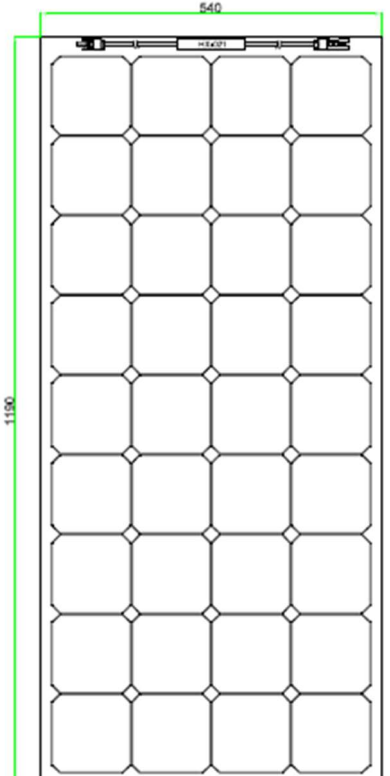
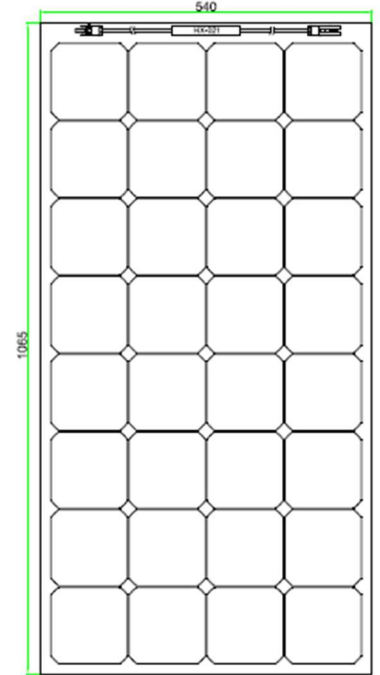
Module Type	ST100M5-36-FLP	ST110M5-36-FLP	ST120M5-36-FLP
Maximum Power (Pmax / W)	100	110	120
Power Tolerance	0~+ 3 %	0~+ 3 %	0~+ 3 %
Maximum Power Voltage (Vm / V)	16.1	17.9	18.1
Maximum Power Current (Im / A)	6.21	6.15	6.63
Open Circuit Voltage (Voc / V)	19.16	21.3	21.5
Short Circuit Current (Isc / A)	6.77	6.71	7.23
Module Efficiency (%)	17.39	17.12	18.67

Temperature Properties

Maximum System Voltage (VDC)	600	600	600
Maximum Series Fuse Rating (A)	10	10	10
Normal Operating Cell Temperature	45±2°C		
Temperature Coefficient of Pm	-0.38 %/°C		
Temperature Coefficient of Voc	-60.8mV/°C		

Mechanical Properties

Dimensions (L×W×H / mm)	1065×540×3/20	1190×540×3/20	1190×540×3/20
Maximum Bend Degree(°)	30 degree	30 degree	30 degree
Weight (Kg)	1.4	1.5	1.5
No. of Cells(pcs)	32 (4×8)	36(4×9)	36(4×9)
Sizes of Cells	125*125	125*125	125*125
Junction box	MC 4 connector, IP 67		
Sizes of Junction box cable (mm ²)	4mm ² / 900mm Length		
Container 20GP(pcs)	2600	2080	2080
Container 40HC(pcs)	6160	5544	5544



Maximum Recommend Bending Degree: 30°