

	<u>100w Semi Flexible Solar Panel</u>	<u>120w Semi Flexible SolarPanel</u>	<u>150w Semi Flexible Solar Panel</u>
<u>Mechanical Data:</u>			
1) Flexible Angle	up to 10 degree	up to 10 degree	up to 10 degree
2) Back Sheet	Fiberglass	Fiberglass	Fiberglass
3) J-Box	IP 67 rated	IP 67 rated	IP 67 rated
4) Thickness of ETFE:	0.025mm	0.025mm	0.025mm
5) Thickness of solar panel	2.5mm	2.5mm	2.5mm
6) Cables/Connector:	1.5meters, 2*2.5mm ² cable with MC4 connectors	1.5meters, 2*2.5mm ² cable with MC4 connectors	1.5meters, 2*2.5mm ² cable with MC4 connectors
7) Type of Solar Cells	156 Monocrystalline silicon cells.	156 Monocrystalline silicon cells.	156 Monocrystalline silicon cells.
8) Eyelets:	Without eyelets.	Without eyelets.	Without eyelets.
9) By pass diode	2pcs (10A for each)	2pcs (10A for each)	2pcs (10A for each)
<u>Electrical Data:</u>			
1) Peak Power (Pmax)	100W	120W	150W
2) Maximum Power Voltage (Vmp)	18V	18V	18V
3) Maximum Power Current (Imp)	5.56A	6.67A	8.33A
4) Open Circuit Voltage (Voc)	21.24V	21.24V	21.24V
5) Short Circuit Current (Isc)	6.12A	7.34A	9.17A
6) Maximum System Voltage	DC 500V	DC 500V	DC 500V
7) Cell Eciency	18.5%-20%	18.5%-20%	18.5%-20%
8) Power Tolerance	±3%	±3%	±3%
9) Number of Cells	36-3/5pcs	36-3/5pcs	36-3/5pcs
10) Operating Temperature	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C
11) Storage Temperature	-20°C~+30°C	-20°C~+30°C	-20°C~+30°C
12) Temperature Coefficients of Isc(%)	+0.09%/°C	+0.09%/°C	+0.09%/°C
13) Temperature Coefficient of Pmax(%)	-0.37%/°C	-0.37%/°C	-0.37%/°C
14) Temperature Coefficients of Voc(%)	-0.34%/°C	-0.34%/°C	-0.34%/°C