



Photo for reference

Part number

PR-SYD-FSP1MSM100	Folding Solar Panel, Monocrystalline, Single Glass, Monofacial, Rated Power 100W
PR-SYD-FSP1MSM200	Folding Solar Panel, Monocrystalline, Single Glass, Monofacial, Rated Power 200W
PR-SYD-FSP1MSM400	Folding Solar Panel, Monocrystalline, Single Glass, Monofacial, Rated Power 400W

Electrical data

Part number	PR-SYD-FSP1MSM100	PR-SYD-FSP1MSM200	PR-SYD-FSP1MSM400
Maximum Power (Pmax) (W)	100	200	400
Power Tolerance	0~5%		
Maximum Power voltage (Vmp)(V)	18.16±5%	19.73±5%	31.83±5%
Maximum Power Current (Imp)(A)	6.33±5%	10.14±5%	13.98±5%
Open-circuit Voltage (Voc)(V)	21.79±5%	24.37±5%	38.47±5%
Short-circuit Current (Isc)(A)	6.63±5%	12.16±5%	16.77±5%
Maximum system voltage(V)	1500VDC(IEC)	1500VDC(IEC)	1500VDC(IEC)
Module efficiency STC(%)	15	16.1	16.1
Temperature coefficients of Pmax	-0.39%/°C	-0.39%/°C	-0.39%/°C
Temperature coefficients of Voc	-0.3%/°C	-0.3%/°C	-0.3%/°C
Temperature coefficients of Isc	+06%/°C	+06%/°C	+06%/°C

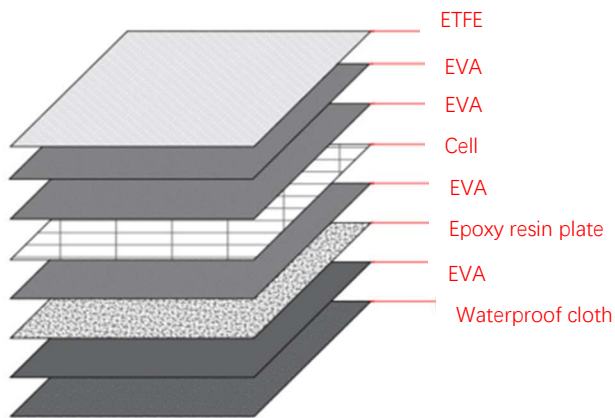
*STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, wind speed 1m/s

Mechanical data

Part number	PR-SYD-FSP1MSM100	PR-SYD-FSP1MSM200	PR-SYD-FSP1MSM400
Folded dimensions(L*W*H)(mm)	477*415*45	565*590*47	715*885*47
Unfolded dimensions(L*W*H)(mm)	1788*41*5	2110*590*5.3	2730*885*5.3
Cell type	Mono crystalline 182mm		Mono crystalline 210mm
No. of cells(PCs)	64	144	224
Weight(kg)	4	7.5	14.88
Front baffle	High-permeability Fluoride Membrane ETFE		
Encapsulation	High - permeability EVA		
Back baffle	Black Epoxy Resin Board		
Junction box	DC+USB+Type-C , supporting the PD fast charging protocol.		
Output cable	2mm², 300mm Photovoltaic-specific cable		
Connector	MC4		

Environment

Working temperature(°C)	-40 to +85
Insulation Withstand Voltage	1500VDC(Max)
Optimal operating temperature range(°C)	20 to 25
Degree of protection	IP67



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