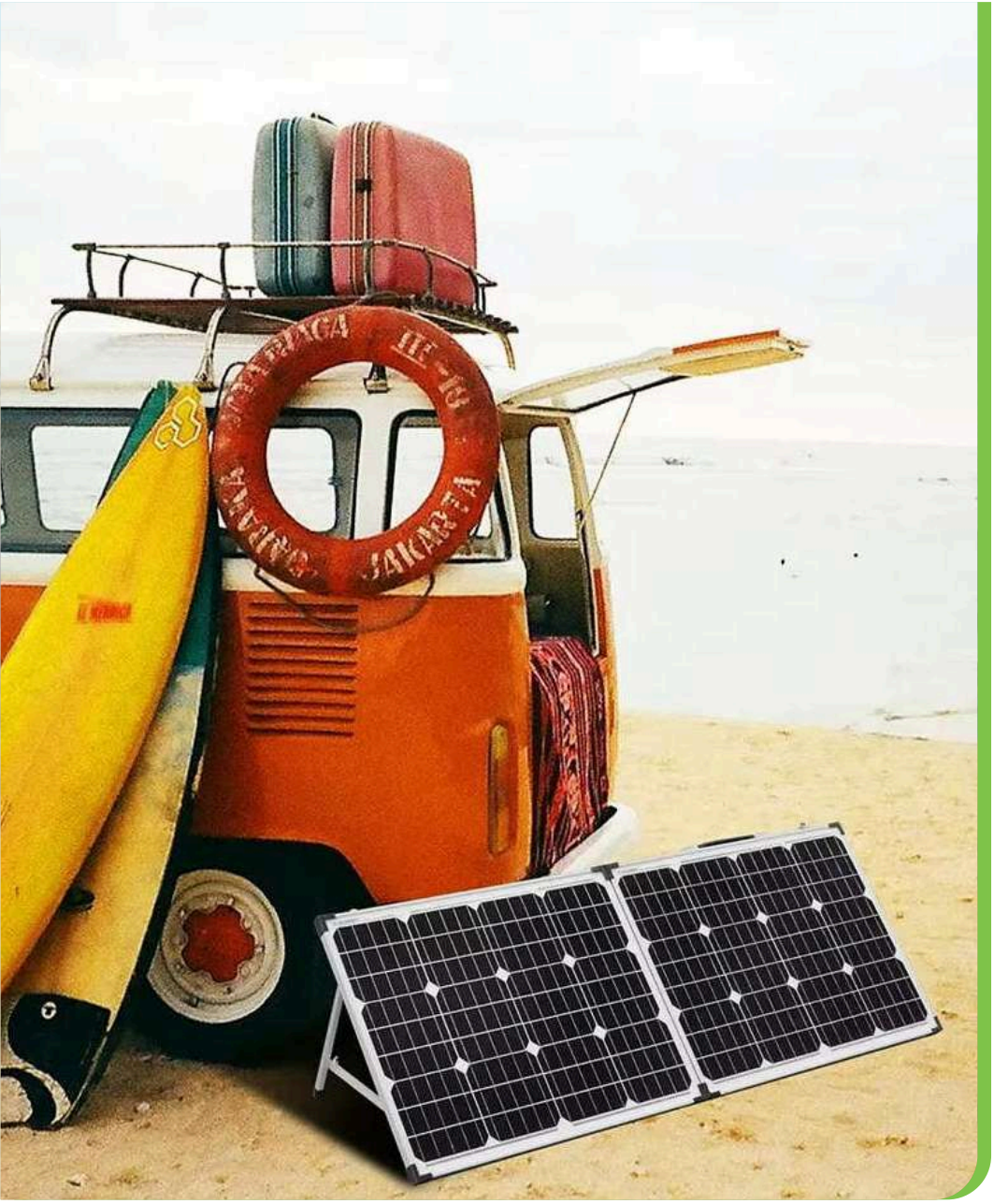


SUNMASTER

FOLDABLE SOLAR PANEL

Focus on outdoor power solutions

PRODUCT **FEATURES**



SunMaster Solar Co., LtdSunMaster Solar Co.,Ltd
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100W-300W

Model	SMFS-100W	SMFS-150W	SMFS-160W	SMFS-200W	SMFS-300W
Maximum Power Pmax	100W	150W	160W	200W	300W
Encapsulation	Glass / EVA / Oel / EVA / Backsheet				
Maximum Power Voltage (Vmp)	20V	20V	20V	20V	20V
Maximum Power Current (imp)	5A	7.5A	8A	10A	15A
Open Circuit Voltage (Voc)	23.6V	23.6V	23.6V	23.6V	23.6V
Short Circuit Current (Isc)	5.5A	8.25A	8.8A	11A	16.5A
Cell Effclency	22.5%	22.5%	22.5%	22.5%	22.5%
Dimension	1083x570x30mm	1650x660x35mm	1355x780x35mm	908x1346x35mm	1415x1060x35mm
Dimension when Folded	570x540x63mm	550x660x105mm	780x675x75mm	908x673x70mm	705x1060x75mm
Weight	8.3KG	11.5KG	12.2KG	13.1KG	16.2KG
Tolerance	±3%	6.06	8.08	5.56	9.1
Tolerance	1000V	Yes	Yes	Yes	Yes
Operate Temperature Range	-40°C~+85°C	10A	10A	10A	10A
Relative Humidity	0~100%				
Cables and Connectors	5m cable.MC4 connector,battery clips				
Standard Test Conditions	STC: 1000W/m2,AM 1.5 and cell temp 25°C				

TWO USES,WORKS OUT OF THE BOX

1.FOR 12 BATTERY





2.FOR POWER STATION (NO NEED TO CONNECT TO THE CONTROLLER)



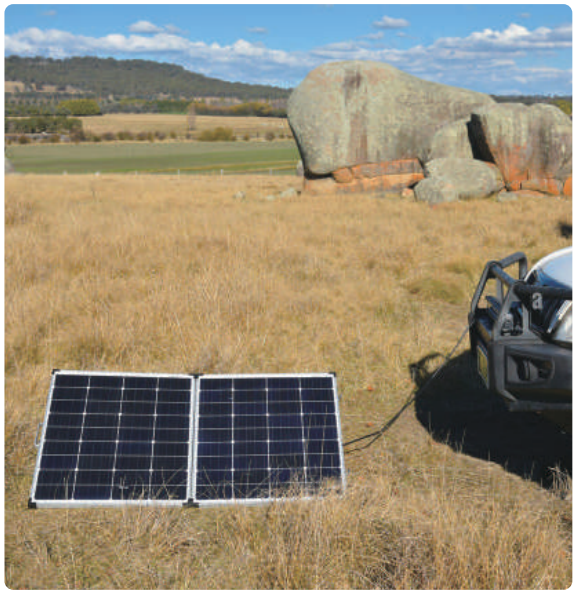


APPLICABLE TO
PORTABLE POWER STATION

SunMaster foldable solar panel is suitable for 1-2.5 kWh portable power stations. We also provide you with wiring to meet your needs for small Anderson, DC, MC4, and other interfaces for easy use.







INTRODUCTION OF ADVANTAGES

High Efficiency Cell

Up to 24% efficiency PERC or IBC-back contact solar cells.

Ultralight

Plastic material replace glass,60% lighter and portable.

Foldable&Portable

Foldableall parts in one design with carry bageasy to carry and use.

Waterproof

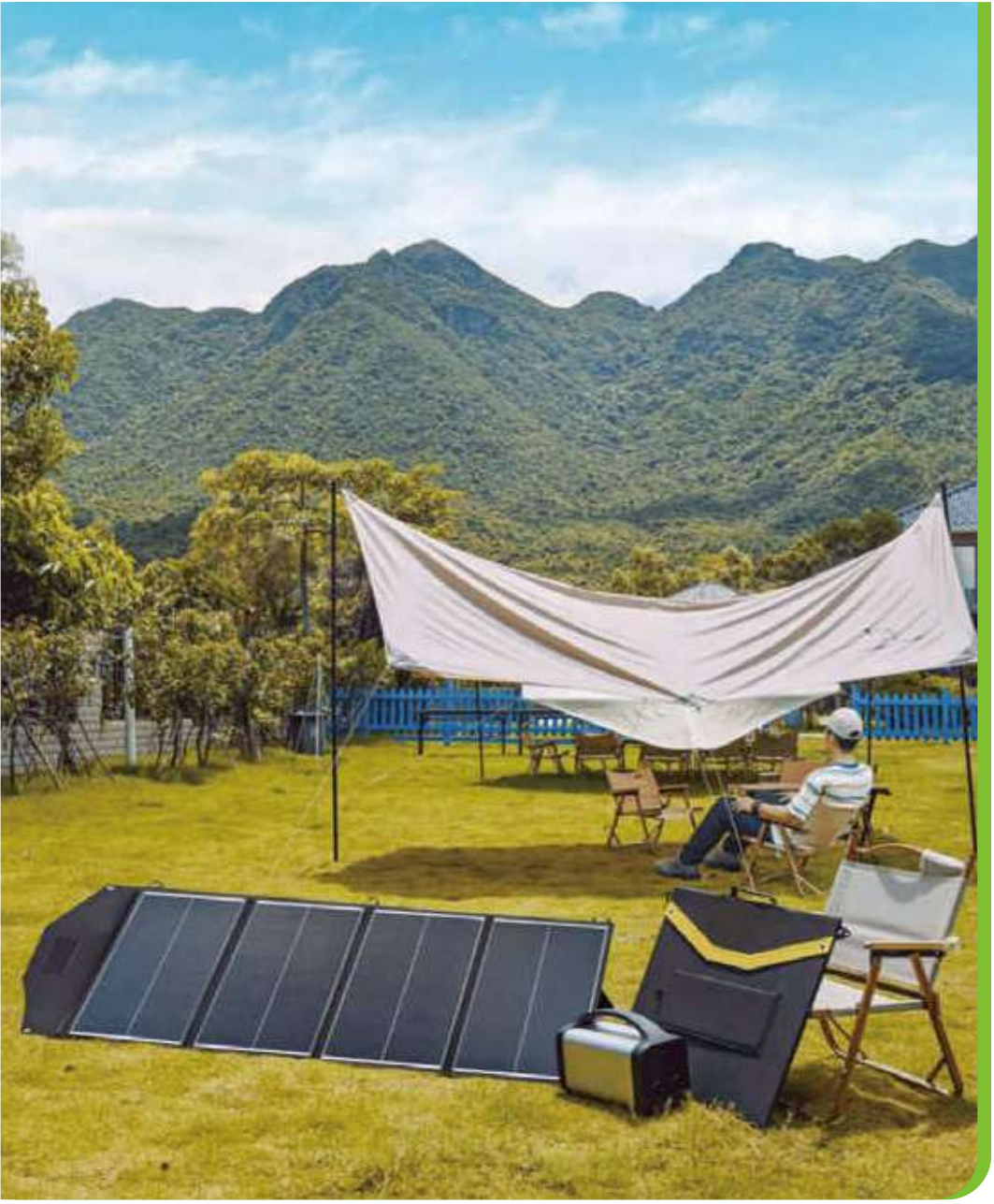
PU coated textile provents water from entering parts.

Overcharging Protection

All panels has inner protection to avoid overcharge damage,power loss while shading get maximum power all the time.

Customize Service

Different sizesshape,parts to meet various needs.CE,ROHS certification.



SUNMASTER

FOLDING SOLAR PANEL

Focus on outdoor power solutions

PRODUCT **FEATURES**

The foldable solar charging kit produced by SunMaster is a foldable, portable design solar charging kit with 6v, 9v, 18v, 36v and other connections to charge different digital devices or power loads.



Version A product connector



Anderson / Type-C / USB



Portable power station
Electronic equipment

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80W-180W

Model	SMP-2*40W	SMP-3*40W	SMP-4*40W	SMP-2*60W	SMP-3*60W
Maximum Power[Wp]	80W	120W	160W	120W	180W
Solar Cell	SunPower IBC Solar Cell				
Panel Array[pcs]	1*2	1*3	1*4	1*2	1*3
Cell Efficiency	22.6%	22.6%	23.7%	23.7%	23.7%
Folded size[mm]	560*440*15	560*440*20	560*440*25	565*550*15	565*550*20
Unfolded size[mm]	1075*560*4	1525*560*4	1975*560*4	1305*560*4	1855*560*4
Open Circuit Voltage Voc[V]	26.2	26.2	26.2	23.0	23.0
Short Circuit Current Isc[A]	3.88	5.82	7.76	6.63	9.94
Max Power Voltage Vmp[V]	22.3	22.3	22.3	19.8	19.8
Max Power Current Imp[A]	3.59	5.39	7.18	6.1	9
Net.Weight[kg]	4.04	6.06	8.08	5.56	9.1
Supporting Leg	Yes	Yes	Yes	Yes	Yes
Charge controller	5A	10A	10A	10A	10A
Certification	CE,RoHS,ISO9001				
Cables and Connectors	5m cable.MC4 connector,battery clips				
Standard Test Conditions	STC: 1000W/m2,AM 1.5 and cell temp 25°C				









200W-480W

Model	SM-2*100W	SM-3*100W	SM-2*120W	SM-3*120W	SM-4*120W
Maximum Power[Wp]	200W	300W	240W	360W	480W
Solar Cell	SunPower IBC Solar Cell				
Panel Array[pcs]	1*2	1*3	1*2	1*3	1*4
Cell Efficiency	22.6%	22.6%	23.7%	23.7%	23.7%
Folded size[mm]	987*547*50	987*547*70	1072*547*50	1072*547*70	1072*547*90
Unfolded size[mm]	1095*987*25	1640*987*25	1095*1072*25	1640*1072*25	2188*1072*25
Open Circuit Voltage Voc[V]	21.4	21.4	23.3	23.3	46.6
Short Circuit Current Isc[A]	11.84	17.8	12.97	19.4	12.97
Max Power Voltage Vmp[V]	18.2	18.2	19.8	19.8	39.6
Max Power Current Imp[A]	10.99	16.49	12.12	18.18	12.12
Net.Weight[kg]	2.2	3.2	2.6	3.8	5
Supporting Leg	Yes	Yes	Yes	Yes	Yes
Charge controller	15A	20A	15A	20A	15A
Certification	CE,RoHS,ISO9001				
Cables and Connectors	5m cable.MC4 connector,battery clips				
Standard Test Conditions	STC: 1000W/m2,AM 1.5 and cell temp 25°C				









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