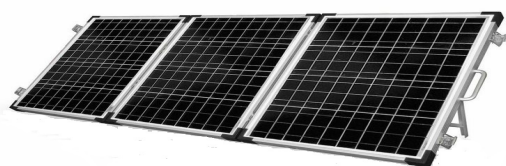


Foldable module kits



Flagsun folding module kits are designed to provide portable 12 volt power wherever you need it.

power available from 20W to 240W

Features:

- Padded, moulded carry bag
- Heavy duty carry handle, hinges and clasps
- **Stainless steel telescopic&adjustable legs**
- Weatherproof solar charge controller with LED indicator
- 5m cable with heavy duty Anderson connectors between module-regulator & regulator-battery clamps
- All cabled up ready to use
- 2 year warranty



These kits are the ideal solution for 4WD, camping, caravanning, boating and recreational activities wherever power is required for lights, small TV, camping fridge, pump or other small appliances.

Model	FSF-80W-M	FSF-120W-M	FSF-140W-M	FSF-160W-M	FSF-180W-M	FSF-240W-M
Nominal Peak Power	80W(2*40W)	120W(2*60W)	140W(2*70W)	160W(2*80W)	180W(3*60W)	240W(3*80W)
Power tolerance	0 ~ +3%					
Cell type	Monocrystalline/Polycrystalline					
Open circuit voltage(Voc)	21.8V					
Voltage at maximum power(Vmp)	18.2V	18.3V	18.3V	18.3V	18.2V	18.3V
Short Circuit voltage(Isc)	4.91A	7.45A	8.63A	9.55A	11.59A	14.31A
Current at maximum power(Imp)	4.39A	6.59A	7.69A	8.79A	9.89A	13.18A
Maximum system voltage	1000VDC					
NOCT(Nominal Operating Cell Temperature)	45 °C ± 2°C					
Operating temperature - Module	-40°C TO +85°C					
Operating temperature - Charge	-35°C TO +55°C					
Module folded size(mm) in carry bag	650*510*65	670*620*65	710*670*65	770*670*65	710*670*98	770*670*98
Module open size(mm)	1020*650*32	1340*620*32	1340*710*32	1340*770*32	2010*670*32	2010*670*32
Module net weight(Kg)	7.1Kg	8.5Kg	9.8Kg	11.1Kg	15.1Kg	16.2Kg
Module gross weight(Kg)	8.2Kg	9.3Kg	10.8Kg	12.1Kg	16.5Kg	17.5Kg
Short charge controller	MPPT 12V/10A;IP68 Rated			MPPT 12V/20A;IP68 Rated		

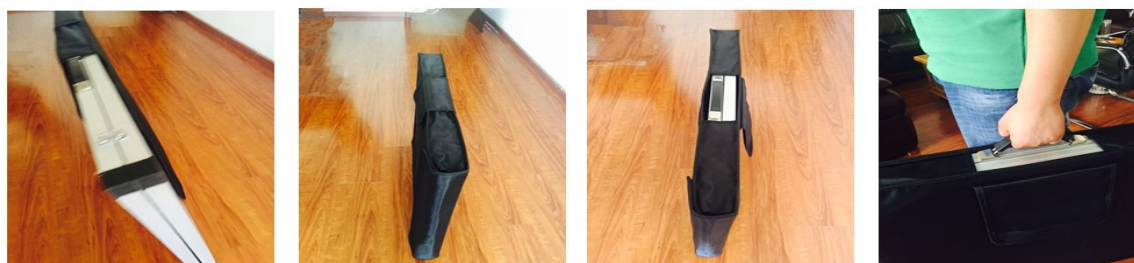
Foldable module kits



Output Guide

Model	FSF-80W-M	FSF-120W-M	FSF-160W-M	FSF-200W-M
Current at maximum power (Imp)	4.54A	6.86A	9.14A	11.42A
Estimated daily module output	17Ah	25Ah	34Ah	42Ah

*Calculated at 5 peak sun hours and 25% system losses. Output will vary depending on solar radiation, module orientation and tilt angle.



Application Guide

12V Fridge Guide

BRAND	Internal Capacity	Daily Power Consumption	Combined climate results over 48 hours		Flagsun Solution
		@ 17°C ambient / @ 37°C ambient	@ 28°C ambient	Ah/day	
ARP*	47L	8.52Ah / 38.97Ah	0.99A/hr	24	120W
PUSHWAN*	42.5L	5.73Ah / 31.64Ah	0.78A/hr	19	120W
EAGEL*	41L	5.2Ah / 45.25Ah	1.05A/hr	25	120W
WAWOO*	56L	14.16Ah / 61.25Ah	1.58A/hr	38	200W
EVASUN*	45L	3.77Ah / 31.1Ah	0.73A/hr	18	120W
PAECO*	46.5L	3.95Ah / 38.33Ah	0.88A/hr	21	120W

Appliance Guide

Appliance	Watts	Amps @ 12V	Hours/day	Ah/day	Flagsun Solution
Energy saving lamp	2 x 15W	2.5	4	10	80W
TV	60W	5	4	20	120W
Water Pump	60W	5	0.5	2.5	80W
CD/DVD Player	35W	3	4	12	80W
Laptop	60W	5	2	10	80W
Mobile Phone	5W	0.5	5	2.5	80W
Lights + TV + Laptop				40	200W
Lights + TV+ water pump				32.5	160W

*Figures are indicative only. Check your appliance specifications before confirming design.

