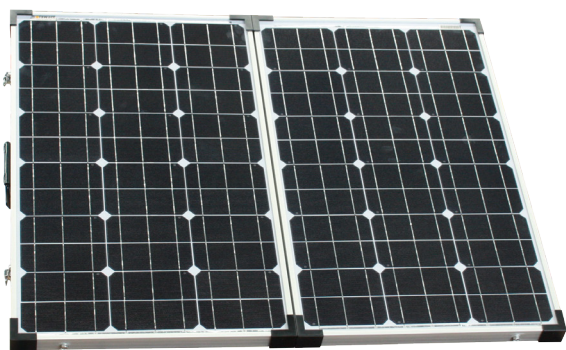


Portable folding module kits



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

Available in 2 sizes (with other sizes available up to 200W):

- SW-FM80W
- SW-FM120W

Features:

- Padded, moulded carry bag
- Heavy duty carry handle, hinges and clasps
- Sturdy adjustable legs
- PWM solar charge controller with LED indicator
- 5m cable with 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	SW-FM80W	SW-FM120W
Nominal Peak Power	80W (2 x 40W)	120W (2 x 60W)
Power tolerance	+/-3%	
Cell type	Monocrystalline	
Open circuit voltage (Voc)	21.6V	
Voltage at maximum power (Vmp)	17.6V	17.7V
Short circuit current (Isc)	4.9A	7.19A
Current at maximum power (Imp)	4.54A	6.66A
Maximum system voltage	600VDC	
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	630x550x70	900x560x80
Module open size (mm)	1014x550x30	1014x825x35
Module net weight (kg)	9.2	14.8
Solar charge controller	PWM 12V 10A. Gel, sealed and flooded battery type option	
Warranty	2 years	

Portable folding module kits

Power Guide

Model	SW-FM80W	SW-FM120W
Current at maximum power (Imp)	4.54A	6.66A
Estimated daily module output	17Ah	25Ah

*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		Solawatt Solution
		@ 17°C ambient / @ 37°C ambient	@ 28°C ambient	Ah/day	
ARB*	47L	8.52Ah / 38.97Ah	0.99A/hr	24	120W
BUSHMAN*	42.5L	5.73Ah / 31.64Ah	0.78A/hr	19	120W
ENGEL*	41L	5.2Ah / 45.25Ah	1.05A/hr	25	120W
EXPLORER*	56L	14.16Ah / 61.25Ah	1.58A/hr	38	2 x 120W
EVAKOOL*	45L	3.77Ah / 31.1Ah	0.73A/hr	18	120W
WAECO*	46.5L	3.95Ah / 38.33Ah	0.88A/hr	21	120W

*Test results from 4WD fridge comparison, Issue 136 of "Australian 4WD Action" magazine, 2009, load varies with temperature

Appliance Guide

Appliance	Watts	Amps @ 12V	Hours/day	Ah/day	Solawatt Solution
Lights	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

*Figures are indications only, check your appliance specifications before confirming design

