

Symmetry Lightweight Folding Solar Kit

SY-LWM Series

The new range of Symmetry Lightweight Folding solar panels are ideal power source to charge 12V batteries used for camping, caravanning, boating and all recreation activities where alternative power sources is not available.

The solar cells are mounted on an ultra-lightweight yet sturdy fibreglass backing with long life ETFE (Ethylene-Tetra-Fluoro-Ethylene) coating. These panels are then mounted in a lightweight aluminium frame with protective corners to provide additional strength and adjustable legs allow you to tilt the module at the optimum angle.

The 12-volt 10 amp regulator is already pre-wired and just requires you to select the type of battery, with sealed, gel and flooded options. There is 3 metres of cable with quick-disconnect provided by Anderson-style connectors, and heavy-duty battery clamps.

Features:

- Ultra-lightweight - less than half the weight of equivalent glass folding panels
- Super sturdy - made fibreglass back solar cells in an aluminium frame
- 10 amp regulator - with integrated USB charging socket
- Soft bag - to keep everything together during transportation.



SY-LFM-120W



SY-LFM-80W

Box Includes:



Carry Bag



Cables



Inverter

Electrical

Model	SY-LFM-80W	SY-MFM-120W
Solar Cells	2 x Lightweight mono 40-watt panels	2 x Lightweight mono 60-watt panels
Nominal Peak Power <i>WP</i>	20	90
Nominal Voltage <i>V</i>	18.1	19.1
Nominal Current <i>A</i>	4.37	6.74
Open Circuit Voltage <i>Voc</i>		22.6
Short Circuit Current <i>Isc</i>	4.85	7.28
Operating Temperature <i>°C</i>		-40 to +85
Max. System Voltage <i>VDC</i>		200
Bypass Diodes		2

Mechanical

Model	SY-LFM-80W	SY-MFM-120W
Dimensions <i>mm</i>	560 x 515 x 50	715 x 515 x 50
Weight <i>kg</i>	5.0	6.3
Controller	12 volt / 10 amp PWM controller with 3-stage charging and USB outlet	
Accessories	3m x 2.2mm ² twin core cable terminated with alligator clips and soft carry bag	
Warranty	2 Years (see terms & condition in User Guide)	