

**Solar**

## Solar Panel Kits

RENEWABLE MAINS-FREE POWER





# Solar Panel Kits

From 5wp to 150wp, these panels are ideal for a range of uses, whether you just want to prevent battery drain in your caravan or power devices through an inverter such as TVs, stereos, lighting etc. Supplied with cable, connections and detailed user instructions.

Corrosion resistant tough aluminium frame

High power crystalline solar cells

Optional charge controller (STP018 and above)

Each kit supplied with all necessary cable and connections

Full assembly instructions



**10 yr**  
Module warranty  
**20 yr**  
Cell Output Warranty

(80W Panel Kit illustrated)

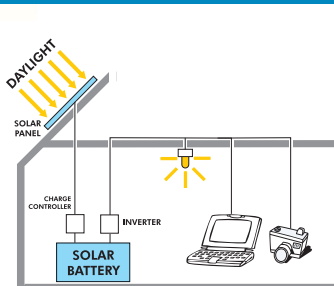
## WORKS IN ALL DAYLIGHT CONDITIONS



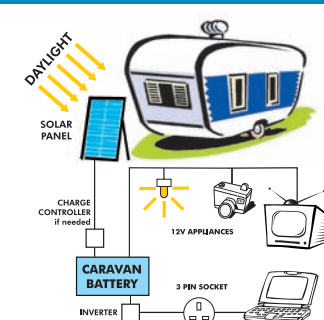
## How it works

Put simply, the solar panel charges a 12V battery\* (protected from being overcharged by a charge controller\*\*) during daylight hours. The power in the battery is available for use at any time to power appliances – directly if powering 12V appliances or through an inverter†† if powering 240V appliances. The system will work even in overcast weather conditions, both in summer and winter.

### At Home



### On the Move



Power	Size	Part No	Weight	Amps/Hr	Amps/Day	Typical usage	Charge Controller req'd**
<b>5W</b>	306x218x25mm	STP005	1.0kg	0.32	Up to 2.24	Lighting and for preventing power drain on 12v batteries	No†
<b>10W</b>	397x280x25mm	STP010	1.5kgs	0.63	Up to 4.41	Lighting, for use in caravans on 2 day trips, power tool charging, electric fence power	No†
<b>18W</b>	638x278x25mm	STP018	2.2kgs	1.14	Up to 7.98	Lighting, for use in caravans on a 4 day trip, limited (12v) TV, electric gate power, mobile phone and digi camera charging	Yes - 4 Ah
<b>28W</b>	559x407x25mm	STP028	2.8kgs	1.61	Up to 11.27	Lighting, for use in caravans on a 7 day trip, lap top computers	Yes - 4 Ah
<b>43W</b>	634x535x25mm	STP043	4.5kgs	2.71	Up to 18.97	Lighting, for use in caravans on a 14 day trip, extended (12v) TV, pond pump power	Yes - 4 Ah
<b>60W</b>	694x670x35mm	STP060	6.0kgs	3.78	Up to 26.46	Lighting, for use in caravans during long term touring, limited (240v††) TV, extended lap top computer use, slow cooker power and alarm systems	Yes - 4 Ah
<b>80W</b>	1196x542x35mm	STP080	7.8kgs	5.12	Up to 35.84	For use in the largest caravans, medium sized motorhomes/boats, extended (240v††) TV, games machines, DVD players, sky boxes	Yes - 8 Ah
<b>120W</b>	1365x670x35mm	STP120	12.0kgs	7.54	Up to 52.78	For use in large motorhomes/boats, desk top PC's, printers, fax, and most 240v†† appliances	Yes - 8 Ah
<b>150W</b>	1580x857x35mm	STP150	15.2kgs	9.44	Up to 66.08	For use in the largest motorhomes/boats, greenhouse heaters, electric garden machinery, complete home office power	Yes - 12 Ah

\*Battery not supplied

\*\* Charge controller available separately

† No Charge controller required so long as battery is bigger than 33Ah for the 5W panel or bigger than 70Ah for the 10W panel

†† through an inverter (not supplied)

Our range of solar kits provides everything needed for fitting a solar panel to the roof of a motorhome and caravan, or the deck of a boat. Designed to be quick and simple to attach, these smart roof/deck top kits will give trouble free power even in the wildest of conditions.

Being permanently connected to the battery they also prevent the battery or batteries from ever going flat whilst the vehicle is in storage.

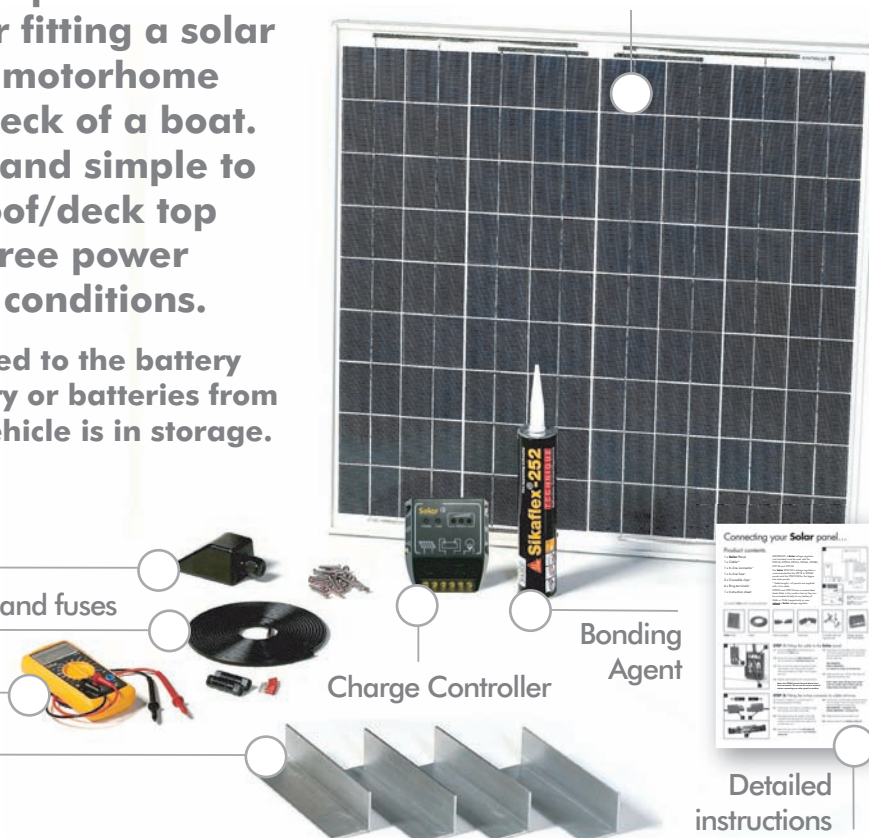
Waterproof Cable Feed Gland

All necessary cabling, connectors and fuses

Digital Solar Test Meter

Universal Roof Fitting Kit

High power crystalline solar cells



(43W Panel Kit illustrated)

Power	Size	Part No	Weight	Amps/Hr	Amps/Day	Typical usage
<b>43W</b>	634x535x25mm	STPMH43	4.5kgs	2.71	Up to 18.97	Ideal for use on small motor homes and boats where power consumption is mainly limited to running the interior lights and water pump and/or use is during the summer months.
<b>60W</b>	694x670x35mm	STPMH60	6.0kgs	3.78	Up to 26.46	As per the 43W kit but for use in small/medium sized motorhomes throughout Spring, Summer and Autumn.
<b>80W</b>	1196x542x35mm	STPMH80	7.8kgs	5.12	Up to 35.84	A system designed for medium sized motorhomes/boats where the generated power will be used for the items listed above plus TV, lap top, satellite dish etc mainly during Spring, Summer and Autumn.
<b>120W</b>	1365x670x35mm	STPMH120	12.0kgs	7.54	Up to 52.78	For larger sized motorhomes/boats powering all the above mentioned items but for extended touring or year round use.
<b>150W</b>	1580x857x35mm	STPMH150	15.2kgs	9.44	Up to 66.08	Only for the very largest motorhomes/boats or US style RV's powering all appliances during an extended tour or for year round use.

## Upgrade Fitting Kits

Our professional upgrade profiles are made from advanced ABS materials and attach to the roof or deck using the supplied bonding agent (no holes to drill). The solar panel simply sits on top of the profile channel and is fixed using stainless steel screws (supplied), that securely lock through the solar panel frame and into the body of the profile – full instructions included.

**NOTE:** The upgrade is only available at the time of ordering one of the Solar Motorhome Kits – the aluminium brackets supplied as standard in the kit are removed and replaced with the upgrade.



Upgrade Fitting Kit  
for 43W & 60W panels  
Part No STPMHU1





Upgrade Fitting Kit  
for 80W panel  
Part No STPMHU2

Upgrade Fitting Kit for 120W & 150W panels  
Part No STPMHU3



Shows STPMH80 panel kit  
with STPMHU2  
upgrade kit

**A wide range of accessories are available for Solar Panel products:**

<b>Charge Controller</b> 4 Ah – 30Ah 	<b>Carry Bag</b> Fits 10, 18, 28 & 43W panels 	<b>Panel Mounts</b> 	<b>Cable Feed Gland</b> 
<b>Bonding Agent</b> 	<b>Ali Fixing Brackets</b> 	<b>Cable Bundle</b> 15m or 30m 	<b>Digital Timer 12V</b> 
<b>Inverter</b> 150W - 1000W 	<b>Digital Test Meter</b> 	<b>Sealed Deep Cycle Batteries</b> 7Ah to 104AH batteries available 	<b>All Weather Battery Box</b> 
<b>Wall Mount Battery Box</b> 	<b>Free Standing Panel Stand</b> 	<b>Solar Panel Ground Stand</b> 	<b>Solar Panel Wall/Post Bracket</b> 