

# SolarMate<sup>®</sup>

## Solar Powered Lighting Kits



# SolarMate®



## A range of solar panel lighting

SolarMate is a complete lighting kit in a box. Where mains quality lighting is needed in remote locations such as workshops, stables, summer houses, garden offices, garages or sheds, SolarMate is the answer. Exempt from Part P of the Building regulations, SolarMate can be easily and safely installed by anyone.

SolarMate's solar panel will collect enough energy during the course of the day (even in Britain) to power its bulb for between 3 and 7 hours per day, depending on both season and which SolarMate kit is chosen. With a 2 or 10 year warranty, depending on the model, SolarMate will easily pay back its investment many times.

### SolarMate Point 5



SolarMate Point 5 provides class leading brightness using an impressive 10 x super bright white LEDs, enabling it to illuminate an area of 9sq m for up to 3 hours per day. Quick and easy to assemble, SolarMate Point 5 is ideal for sheds, summer houses or when camping. Supplied with pre-installed AA rechargeable batteries, 1.8m connection cable, wall fixings and remote control (for distance light activation).

Remote control



### SolarMate Secure 1



A high quality movement activated security light, SolarMate Secure 1 uses 3 x double sized LED's for intense brightness capable of flooding an area of 5m with light. SolarMate Secure 1 has a fully adjustable lamp head for optimum orientation and its PIR sensor has variable burn time and sensitivity settings. Supplied with pre-installed AA rechargeable batteries, 1.8m connection cable and wall fixings.

PIR activated RANGE UP TO 5m



### SolarMate Secure Professional



SMSP is the ultimate PIR movement activated security light and has been designed for busy domestic or commercial locations such as public passageways, forecourts, car parks, driveways etc. Using a powerful 2.5watt solar panel and a 45 LED light unit ensures an area of 100sq m can be flooded with light. SMSP has a fully adjustable lamp head for optimum orientation and its PIR sensor has variable burn time and sensitivity settings. Supplied with a pre-installed rechargeable battery pack, 4.5m connection cable and wall fixings. Supplied with connection cable and wall fixings.

PIR activated RANGE UP TO 100m



Part No	Kit	Power	Lit Area	Burn time	No of activations	Weight	Pack size
SMS005	SolarMate Point 5	0.5W	9m <sup>2</sup>	3hrs	n/a	900gm	245 x 150 x 185mm
SMS001	SolarMate Secure 1	0.5W	5m <sup>2</sup>	20sec - 10min	up to 100	1kg	230 x 210 x 180mm
SMS002	SolarMate Secure Professional	2.5W	100m <sup>2</sup>	20sec - 10min	up to 300	1.8kg	240 x 200 x 240mm

## kits for anywhere without mains power

### SolarMate I, II, III, III ES, IV, IV ES, V & V ES

The SolarMate I to V range provides mains quality lighting for remote buildings at a fraction of the cost of installing a grid connection. Select the kit from the table below that is most suitable for the area to be illuminated. All SolarMate I to V kits include a premium crystalline solar panel, all fixings, fuses, switches and cable, a choice of 12v, 8W fluorescent lighting strips (individually switched) or 12v, 9w energy saving light bulbs (the 'ES' range), wall switch (SM I, II and 'ES' kits only), a charge controller where necessary and, of course, detailed assembly instructions. A battery\* is necessary but not included in SolarMate I to V kits.

**Tip** - Select the SolarMate I, II or the larger ES kits if general room lighting is required. SolarMate III to V with the fluorescent lighting fitting are ideal for interior wall lighting – for example up a passageway or by a work bench or on a ceiling if there is limited height.



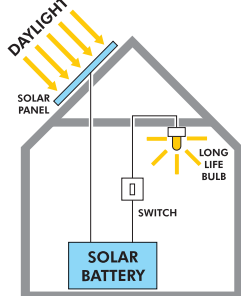
NO MAINS WIRING



Each kit is supplied with either energy saving bulbs or fluorescent light fittings

#### How it works

Put simply, the solar panel charges a 12V battery\* during the day, which then powers the light at night. Bright sunlight is not necessary for charging to occur - the system will work even with overcast daytime conditions, both in summer and winter.



WORKS IN ALL DAYLIGHT CONDITIONS



High power crystalline solar cells

Corrosion resistant tough aluminium frame



Full assembly instructions



Wall switch (SolarMate I, II and 'ES' Kits only)



Charge controller supplied with SolarMate III onward

Each kit is supplied with all necessary cable and connections, switches and fixings

Part No	Kit Number	Power	Lit Area	Weight	Pack size	Burn Time	Light fittings included
SM0501	SolarMate I	5W	16sq metres	1.6kg	345 x 235 x 80mm	up to 7 hrs	1 x energy saving bulb & holder
SM0502	SolarMate II	10W	32sq metres	2.9kg	425 x 305 x 80mm	up to 7 hrs	2 x energy saving bulbs & holders
SM1802	SolarMate III	18W	40sq metres	3kg	673 x 432 x 60mm	up to 7 hrs	2 x fluorescent light fittings
SM1804	SolarMate III ES	18W	48sq metres	3kg	673 x 432 x 60mm	up to 7 hrs	4 x energy saving bulbs & holders
SM2804	SolarMate IV (illustrated)	28W	48sq metres	3.6kg	673 x 432 x 60mm	up to 7 hrs	4 x fluorescent light fitting
SM2806	SolarMate IV ES	28W	60sq metres	3.6kg	673 x 432 x 60mm	up to 7 hrs	6 x energy saving bulbs & holders
SM4306	SolarMate V	43W	60sq metres	5.4kg	778 x 660 x 60mm	up to 7 hrs	6 x fluorescent light fittings
SM4308	SolarMate V ES	43W	72sq metres	5.4kg	778 x 660 x 60mm	up to 7 hrs	8 x energy saving bulbs & holders

\* A battery is required and is not supplied - a 75 or 85 Ah car/caravan battery is recommended available from most motoring/caravanning shops

A wide range of accessories are available for SolarMate products:

<p><b>Energy Saving Bulbs</b></p> <p>9W (45W equivalent) 12V Part No CFL9W12</p> <p>11W (60W equivalent) 12V Part No CFL11W12</p> 	<p><b>Ceiling/Wall Bulb Holder</b></p> <p>for CFL9/11W12</p>  <p>Part No CFLBH</p>	<p><b>Wide Angle Luminaire</b></p> <p>For use with energy saving bulbs</p>  <p>Part No HBLU12V</p>	<p><b>Bulkhead Lights</b></p> <p>9W 12V fluorescent bulb Part No BH913</p>  <p>21W 12V inc. tungsten bulb Part No BH912</p>
<p><b>Fluorescent Light Fittings</b></p> <p>8W 12V with switch - 35cm long Part No LVFL8W</p>  <p>13W 12V with switch - 60cm long Part No LVFL13W</p>	<p><b>LED Light Strips</b></p> <p>12V</p>  <p>500mm - Part No LED500 1000mm - Part No LED1000</p>	<p><b>Cable Bundle</b></p> <p>15m or 30m</p> 	<p><b>Charge Controller</b></p> <p>4AH to 30AH</p> 
<p><b>Digital Timer 12V</b></p>  <p>Part No 60007</p>	<p><b>Digital Test Meter</b></p>  <p>Part No SDGM01</p>	<p><b>PIR Movement Sensor</b></p> <p>12V</p>  <p>Part No 60008</p>	<p><b>Sealed Deep Cycle Batteries</b></p> <p>7Ah to 104AH batteries available</p> 
<p><b>All Weather Battery Box</b></p>  <p>Part No BB0001</p>	<p><b>Wall Mount Battery Box</b></p>  <p>Part No BB0002</p>	<p><b>Solar Panel Ground Stand</b></p>  <p>Part No FKA09 (Universal size)</p>	<p><b>Solar Panel Wall/Post Bracket</b></p> <p>Part No FKA10: fits 5-43W panels</p> <p>Part No FKA11: fits 60-120W panels</p> 