

Solar Powered Water Feature with battery and motion sensor

www.sf-innovations.co.uk

DC 12V 24V 6A Automatic Adjustable PIR Motion Sensor Switch (£3 to £5)

Starts the pump when someone walks by.
The on time can be set from a few seconds to many minutes
Easy to wire up

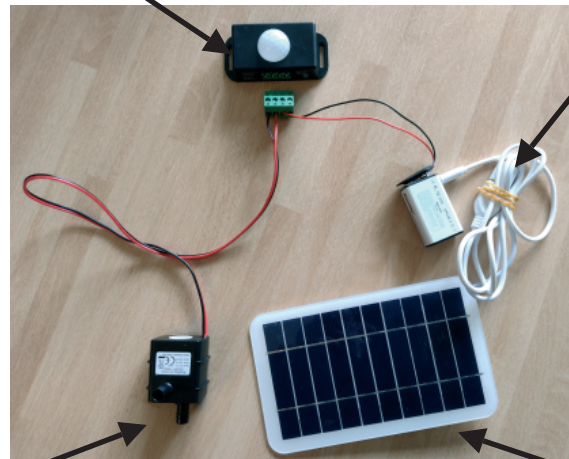


PIR motion sensor connector and timer setting



9V 21800mWh Lithium Ion Rechargeable Battery (£6 to £8)

Built in USB C charger socket
More than 2000 mAh capacity

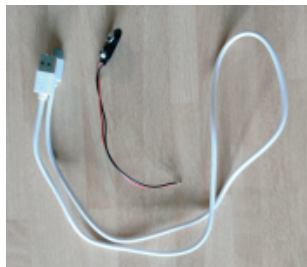


DC 12V 3m 240L/H Ultra Quiet Brushless Motor Submersible Pool Water Pump (£3 to £6)

Wired to output of PIR sensor
Works happily at 9V

Solar panel 5 watt with USB (£5 to £7)

Used to charge the 9V battery



USB and PP3 battery lead



Copper mesh used as filter.

A short piece of 10 mm tubing then a longer piece of 7 mm tubing to take the water up to the small jug at top.



Small jug attached to top of 19 mm diameter pipe



Use a funnel as a base for the pipe. The pump sits within it.



Pile some stones to keep the funnel and pipe in place.