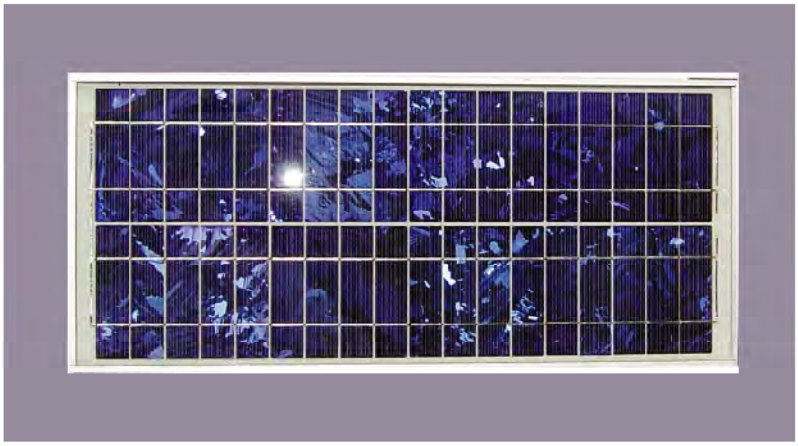
DATASHEET

Solar electric (PV) power supply

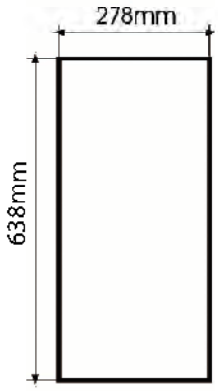
Imagination Solar's water heating system can use solar photovoltaic (PV) electricity to power the water pump and controls - making this a totally solar solution

- No mains power is required meaning there are no electricity costs.
- Solar collector temperature and PV power supply are always synchronised, allowing for pump operation whenever the sky is bright enough
- No need for battery storage as electric power is produced instantaneously when required
- Must be used with Aton light level controller



Solar PV module - technical details*

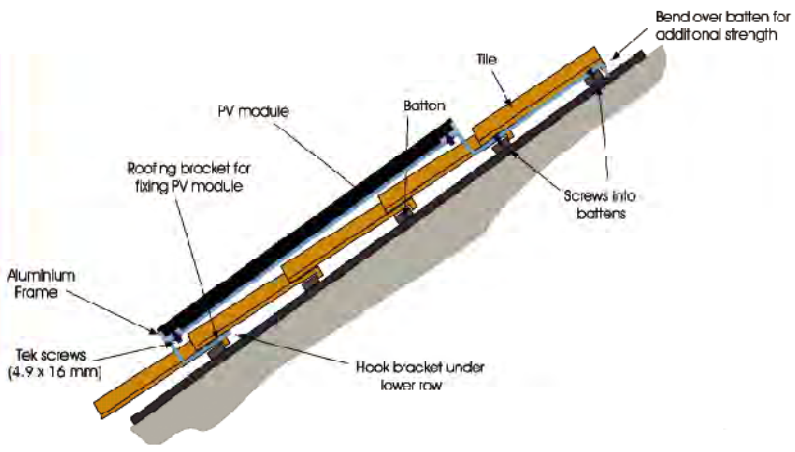
Solar technology	polycrystalline
Weight	2.2kg
Peak power	20W
Dimensions	638 x 278mm
Max. Power current	1.19A
Max power voltage	21V
Short circuit current	1.21A



* these details are subject to change due to supply variations

Installing the solar pv module

- Designed for straightforward installation, using two aluminium mounting brackets, mounted either vertically or horizontally on the roof
- The PV module should be installed in an open, un-shaded, location next to the solar collector
- The brackets are hooked under a row of tiles or slates at the top and bottom then secured to the timber battens below
- For the standard Imagination Solar system one PV module is sufficient. For larger systems two or more PV panels are used as required

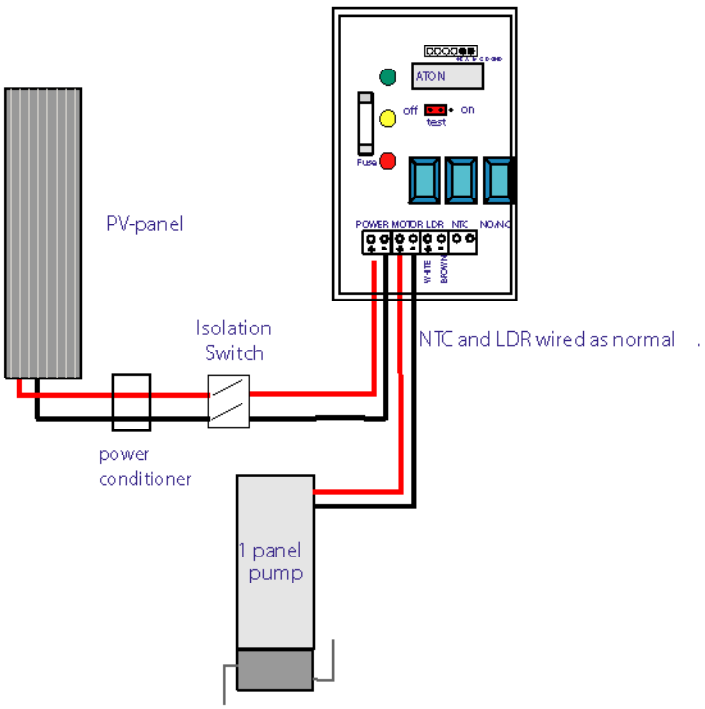


Unit 4 Montpelier Central, Station Road
Bristol BS6 5QA
t.0117 942 6668 f. 0117 942 8998
e. enquiries@imaginationsolar.com
Reg. in England No. 4226842

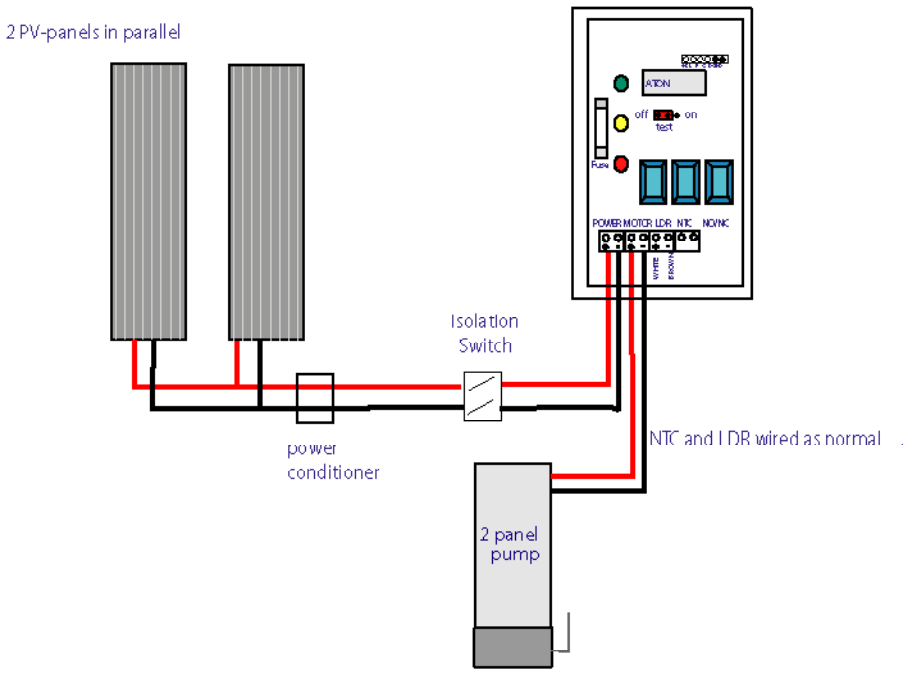
version ds_pv_panel_2.1

www.imaginationsolar.com

PV Wiring Diagram for 1 panel system



PV Wiring Diagram for 2 panel system



www.imaginationsolar.com

Unit 4 Montpelier Central, Station Road
Bristol BS6 5EE
t: 0117 942 6668 f: 0117 942 8998
e: enquiries@imaginationsolar.com
Reg. in England 4226842

Solar Trade Association

Qualified for Energy Technology List
www.eca.gov.uk