# 120W
## Rigid MHD Solar Panel

The 120wp MHD panel offers all the advantages of the standard PV Logic rigid 120wp panel but with a smaller footprint and much lower weight. Perfect for use on a motorhome roof, or the cabin of a boat.

The ground-breaking solar cell technology used in these MHD solar panels replaces the conventional silver electrical ribbon seen on the surface of most solar panels with a passive rear solar cell contact. This means more power in a smaller space plus reduced shading losses and hotspot.

The panel includes bypass diodes to minimise the effect of shadows and is supplied with a 4m cable, connectors and detailed installation instructions for permanent fitting.

This panel can be installed using our specially-designed black aero aluminium brackets.
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PV Logic rigid MHD solar panels have a 10-year frame integrity warranty and a 20-year cell warranty (cell performance warranty states that at 20 years the cell output will be no less than 80% of new performance values – i.e. the cell degradation rate will be no greater than 20% in 20 years).

A 10Ah charge controller should be used with this panel to protect the battery from being overcharged and to prevent reverse of current drain. We recommend the STCC10 or the MPPT Pro Charge Controller.

For optimum battery performance, pair your panel with our **Lifos advanced lithium batteries** in 68Ah (equivalent to 120Ah lead acid battery) or 105Ah sizes (equivalent to 200Ah lead acid battery). Connect up to four Lifos batteries in parallel or series to increase the current or voltage.

For further information from our Technical Team, please contact **support@solartechnology.co.uk**
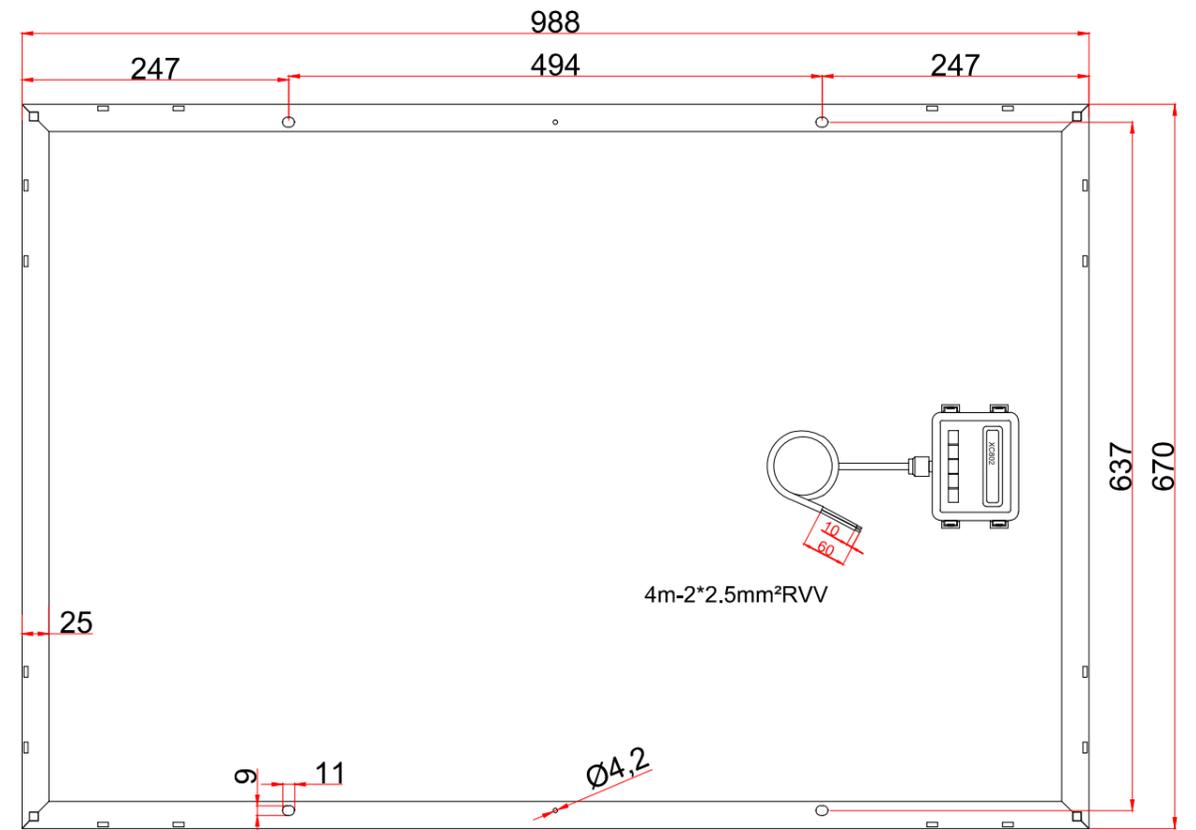
### SPECIFICATIONS

| | |
|---|---|
| Size | 988x670x30mm |
| Weight (Kg) | 7.2 |
| *Watts per day (W) | 780 |
| *Amp hours per day (A) | 36.79 |
| Charge controller | 10Ah |
| Vmp (VDC) nominal voltage | 22.9 |
| Imp (A) nominal current | 5.66 |
| Voc (V) | 27.5 |
| Isc (A) short circuit current | 5.24 |
| IP (Ingress Protection) Rating | IP65 |

*Watts and Amp hours/day based on six hours of average daily peak sunshine hours.

# Solar Technology International

**STPU120**

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988

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4m-2*2.5mm²RVV

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