

# 45W

## Rigid Solar Panel

Developed to meet higher energy demands, the 45W rigid solar panel is suitable for powering higher power consumption devices including 12V TVs and 240V appliances (when used with an inverter). It also provides a continuous trickle feed maintain and extending the life of any 12V battery.

The six layer construction of each panel, delivers performance and strength.

The panel includes bypass diodes to minimise the effect of shadows and is supplied with all a 5m cable, connectors and detailed installation instructions for permanent fitting.

This panel can be installed using our standard aluminium, premium PVU or aero aluminium brackets.

PV Logic rigid 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).

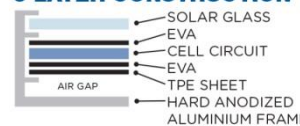
A 10Ah charge controller should be used with this panel to protect the battery from being overcharged and to prevent reverse of current drain. We recommend the STCC10 or the MPPT Pro Charge Controller.

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](mailto:support@solartechnology.co.uk)



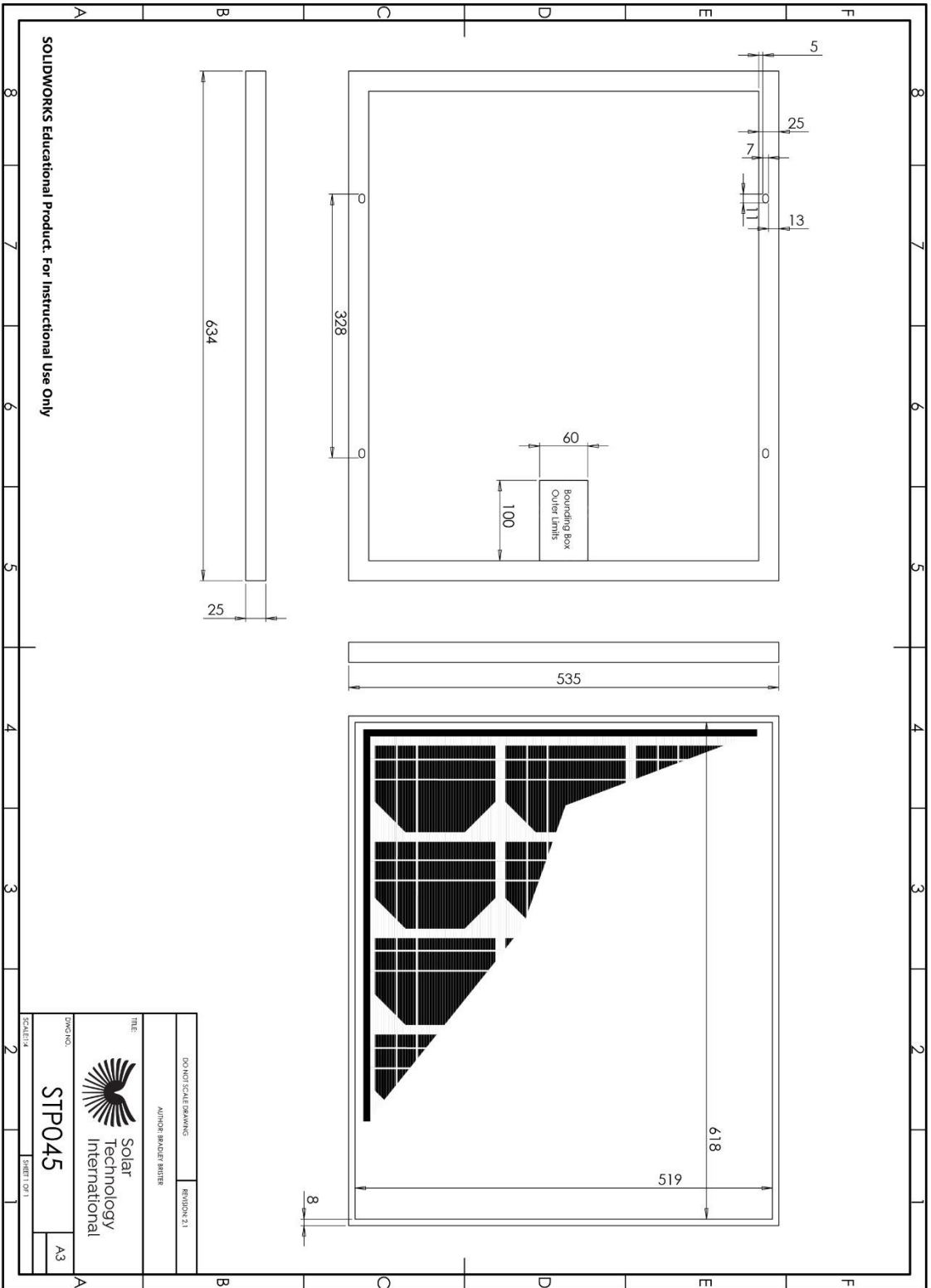
### 6 LAYER CONSTRUCTION



### SPECIFICATIONS

Size	634x535x25mm
Weight (Kg)	3.6
*Watts per day (W)	270
*Amp hours per day (A)	15.4
Charge controller	10Ah
Vmp (VDC) nominal voltage	17.5
Imp (A) nominal current	2.58
Voc (V)	22
Isc (A) short circuit current	2.86
IP (Ingress Protection) Rating	IP65

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



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DRAWING: STP045		A3
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