

Power

**Your Freedom** 

# Which One Are You?



#### WEEKENDER

Prefer to spend your weekends away, pick up one of our 55W-110W panels.

This option will charge your devices such as phones and tablets and let you catch up on all the latest TV shows!

Just one panel will be enough to help keep your batteries going.

#### ADVENTURER

For the week-long holiday goer choose our 120W-165W panel.

These panels supply enough energy to the batteries allowing you to keep your fridge cold, hairdryers on and your microwaved meals cooked. As well as continuing to light lights, charging devices and power essentials.

In optimal conditions one panel will sustain your batteries for a week.



#### **EXPLORER**

The 165W-480W panel, for those wanting to travel beyond the UK or wild camps in the woods.

These panels help you to achieve true independence from the electrical grid.

A single panel will be enough fuel for your battery and will spur you on throughout tour grand adventures wherever they make take you.

Power (W)	55W	110W	110W (2x 55W)	120W	165W	350W	240W (2x 120W)	480W (4x 120W)
Model No.	006A-K	008A-K	007A-K	011A-K	010-K	014A-K	012-K	013A-K
Dimensions (mm)	1295 x 355	1295 x 675	1295 x 710	2630 x 363	1295 x 995	2630 x 995	2630 x 726	2630 x 1452
Thickness inc Backing (mm)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Thickness, inc Backing & J-Box (mm)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Open Circuit Voltage (V)	17.7	35.47	17.7	39.15	53.43	115.1	39.2	39.2
Short Circuit Current (A)	4.38	4.39	4.4	4.38	4.39	4.39	4.4	4.4
Maximum Power Voltage (V)	14.63	29.10	14.6	31.58	43.4	92.90	31.6	31.6
Maximum Current (A)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Power (W)	110.58	110.58	110.58	120.00	164.92	353.02	120.00	120.00
Kits available. Get in touch to find out more, or visit our website - www.power-store.com								

### Meruin

### Why CIGS?

These panels are the result of several years of research by academics within the solar industry.

After conducting initial trials these PV panels have become the standardised solar solution for the Welsh Ambulance Service and Wilker Group.

#### CIGS Tecnology

Performance Matters

CIGS create a solar solution that works in the harshest environments such as low-light, cloudy days and shading from buildings.

#### Tough & Robust

Unlike traditional crystalline solar panels, CIGS is the perfect solution for use on vehicles as it will not microfracture or shatter and with our ETFE top coating, the MiPV panels will remain clean and functional.

#### Compared to conventional crystalline panel's with a three bypass diode structure, we incorporate bypass diodes into every other cell giving a batter overall efficiency even when covered by shadows or

#### No Downsides

shading.

With a bonded profile of less than 3mm and with a weight of less than 1kg PMS, our panels are the perfect solution for use on large fleet vehicles. No drag, no wind noise and no loss of MPG.



"Since installing our CIGS solar panel we have not had to use an electric hook-up at all!"

## Built to work, no matter the conditions.

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**POWERING FREEDOM**