



Solar Smart

Roof/floor mounted, plug-in solar panels



Bolt-on, Plug-in and use. Solar Power direct into your site cabins or into our Battery Pod or Solar Pod to maximise Solar production.

- ✓ Reduce fuel costs
- ✓ Reduce harmful emissions
- ✗ No complicated electrical installation

Designed to make any temporary accommodation or container more environmentally friendly, the Solar Smart Frame can be floor standing, or roof mounted to an appropriate sized unit and used in conjunction with a Solar Pod or Battery Pod to power whole set ups.

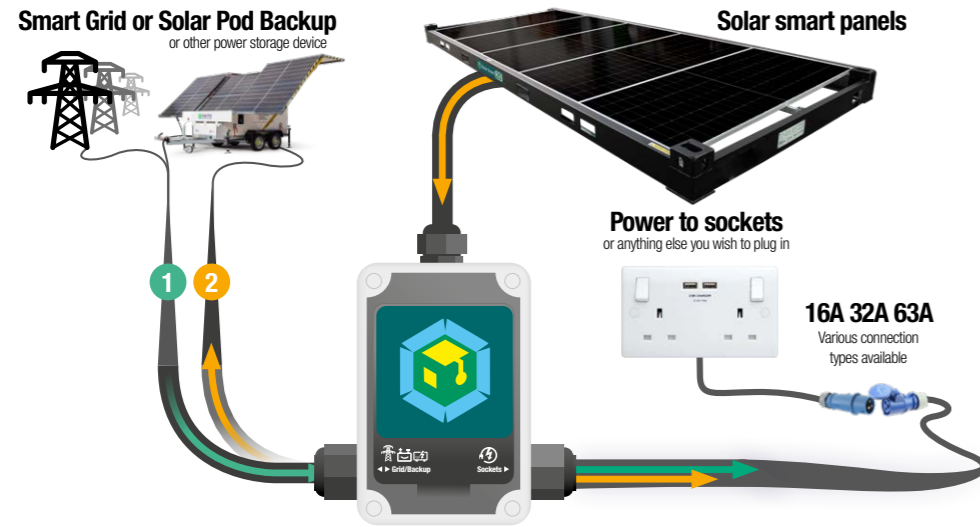
Using this setup can make every 32ft or 20ft cabin/container roof a renewable energy source – with each Solar Smart Frame

able to produce up to 5kW of power. The frame is simple to set up and requires no installation.

The unit is forklifted or craned into position and ISO corner locks hold each frame in place.

Every Solar Smart unit can be used alone or connected with other units to distribute power across larger sites with higher power demands.

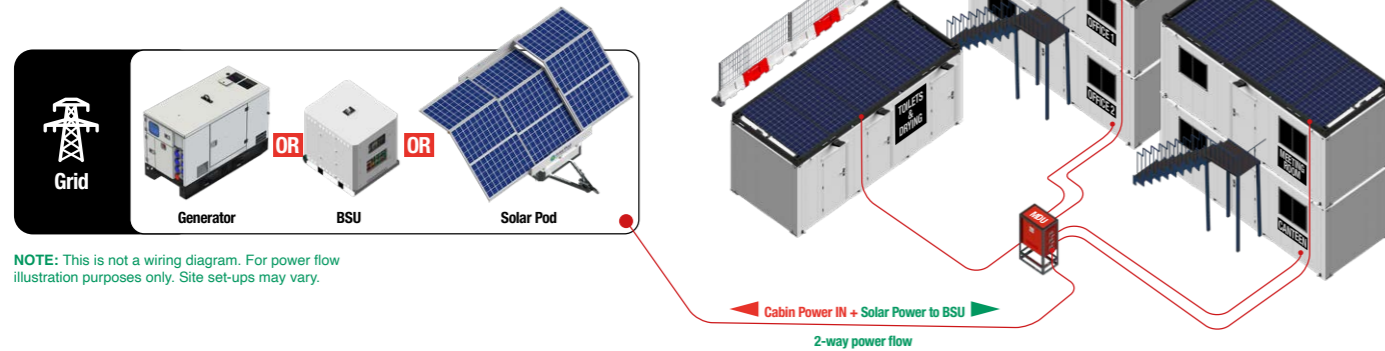
Once solar power has been generated through the Solar Smart Frame, the energy will be used to power any heating, lighting or plug sockets inside the units and any left-over power can be sent to the Solar Pod or Battery Pod to be stored and strategically distributed on site to the units connected within the setup.



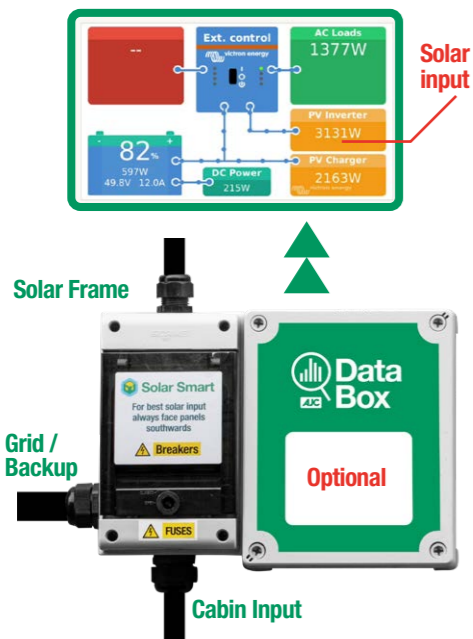
- 1 High demand**
Incoming solar & other power combines to meet demand.
- 2 Power Harvesting**
Low demand & high solar input. Spare solar power diverted to battery storage.

Typical site

5x Site Cabins + 3x Solar Smart



NOTE: This is not a wiring diagram. For power flow illustration purposes only. Site set-ups may vary.



Extra Summertime gains.

Every Solar Smart frame acts as a sun hat for your accommodation units. Perfect for shading the roof from summer heat, thus reducing load on air conditioning systems and further reducing power input.

Models

Solar Smart **20**

Solar Smart **32**

	Solar Smart 20	Solar Smart 32	
POWER PRODUCTION	Max. Continuous Output Power (W)	2700	5200
	Nominal Output Voltage (V)	220 / 230 / 240	
	Nominal Frequency (Hz)	50 / 60	
	Power Factor	> 0.99	
	Output Current Harmonic Distortion	< 3%	
	Solar Module	CE, TUV, UL, CEC, JET, IEC 61215, IEC 61730, UL 1703	
	Micro Inverter	CE-LVD, CE-EMC, VDE 4105, VDE 0126, EN 50549	
	Environmental Protection Rating	IP67	
	Operation Ambient Temperature Range	-20 °C to 60 °C	
	Relative Humidity	0-100%	
Max. Operating Altitude without de-rating (m)	2000		
POWER CONNECTION	Connections (Other options available)	32amp	32amp
	Nominal Output Voltage (V)	220 / 230 / 240	
	Nominal Frequency (Hz)	50 / 60	
	Environmental Protection Rating	IP67	
CONTROL	Energy meter	An energy meter is within the control panel to monitor the solar energy created. DataBox remote data telemetry available as an upgrade.	
	Weight (Kg)	606 kg	1,275 kg
MECHANICAL	Dimensions (WxHxD mm)	Fits 20' x 8' Static cabin / 2438 x 6050 x 280	Fits 32' x 10' Static cabin / 3,048 x 9754 x 478
	Storage	Can be stored in stacks	
	Connection / Mount	ISO corner connection / Jack leg fixing points (Optional)	
	Finish	Hot dipped galvanised to EN ISO 1461 (Optional paint finish)	
	Transport	Centre Fork-lift pockets / Corner lifting & bracing points	

Plug & Play
Renewable energy supply

REDUCED

ISO Corner connections

Stackable frames.
Easy storage & transport

Simple 32a 240v Plug and Play connection

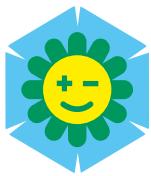
Works in harmony with
Battery Pod & Solar Pod

Reduce roof sun-heating
in summertime



Solar Smart [Site]

Connect Battery Pods with Solar Smart Panels & Solar Pods to save more energy.
Power large and small sites. Scale up or down with your project needs.



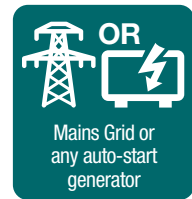
Solar Pod



Battery Pod



Solar Smart



All together / Any combination / Multiples of each



We have dedicated support teams to help you with every part of your journey with us.

We are more than just a manufacturer. Your success is the key to our success.

- Sales Support
- Marketing Support
- Delivery / Handover
- Product Training

- Service Support
- Technical Support
- Parts / Upgrades



www.ajcpowersolutions.co.uk

01582 486663

info@ajcpowersolutions.co.uk

DESIGNED & BUILT IN THE UK

AJC Trailers, Head Office & Factory, Unit 10, Cosgrove Way, Luton, Beds, LU1 1XL

FOOTNOTES

Annual solar input based on usage hours per day, 80 days in winter mode and 180 days in summer mode. Each day is a typical usage day.

Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of power a 48v solar panel or charging kit generates in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc. Solar assessment is based at Luton, Bedfordshire, UK.

This assessment is guidance ONLY. As part of our on-going commitment to improvement we reserve the right to alter specifications, designs or figures, without prior notice. All dimensions and weights are approximate.