

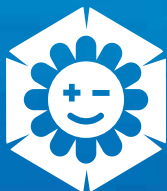
Solar Smart

「Site」



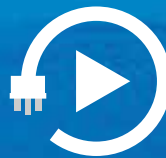
Solar Pod

Hybrid solar generator



Solar Smart

Plug 'n' play solar panel kit



Ecosmart Plug 'n' Play

Static cabins built power saving



Power Pod

High Capacity Battery Bank

Full remote site setups with hybrid power + Ecosmart cabins.

Aim for ZERO emissions on building site welfare.

Solar Smart [Site]

Each component is designed to work alone OR together in ANY combination to save energy.



Solar Pod

Sustainable Power Supply

Easily add a sustainable power supply to remote locations. Generate solar power and autoswitch with the back up diesel generator.



Solar Smart

Plug in solar panels

Every roof is a renewable opportunity. No complicated installation, plug solar directly into your cabins. Auto switch with the local grid (or Solar Pod) when demand is high.



EcoSmart Plug 'n' Play

Efficient static welfare units

Designed to use energy in the most efficient ways possible. LED lighting, low power heating & appliances throughout.



Power Pod

High capacity battery bank

Use batteries as your primary source of power. Attach multiple Power Pods to your setup for even more power storage potential.



DOWNLOAD



DOWNLOAD

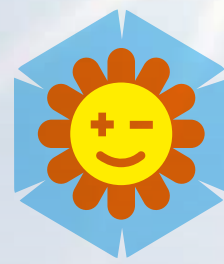


DOWNLOAD



GENERATE hybrid power for your sites and use it efficiently.

AIM for Zero emissions & Zero fuel.



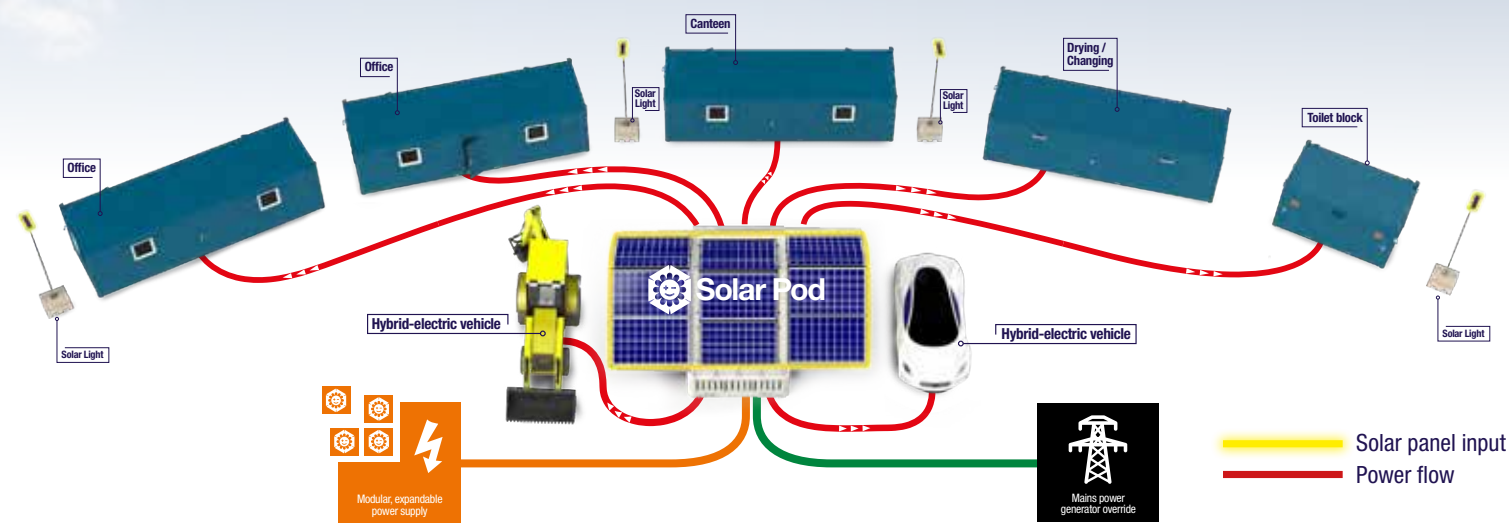
Solar Pod

Sustainable power supply

- ✓ Reduce CO² emissions
- ✓ Reduce Noise
- ✓ Reduce Fuel costs



- Plug & Play**
Modular, expandable power supply
- Large extendable sliding solar panels**
- Integral backup diesel generator**
- Mains power generator override**
- Large battery bank power storage**
- LOW**
Reduce local site noise levels
- Easy container transport**
3up 40ft high cube
- Optional integral cooling systems for hot locations**
- Auto smart**
Just add fuel. Fully automatic start/stop
- Ecosmart technology**
Intelligent, efficient power management



Easily add a sustainable power supply to remote site locations.

The Solar Pod (patent pending) significantly reduces carbon emissions and fuel costs associated with power provision by harvesting solar energy to provide free power to your sites.

Complete with a backup generator, the built in Ecosmart system efficiently manages the power supply between solar PV, battery bank and generator.

Our Autosmart system ensures that all the end user needs to do is switch on and use.

A responsive, modular power supply.

For large site set ups, multiple Solar Pods can be used. Modularise the site into segments which will optimise the performance of the Solar Pod.

Add more solar capacity to your setup by plugging in extra SolarSmart solar panels directly to the Solar Pod.

Remove the need for the integral backup generator by plugging directly into the local power grid. The local power grid is then used as the backup power supply. Maximise solar input to your existing site accommodation by swapping the site generator with a Solar Pod. Further energy savings can be made with Ecosmart Plug 'n' Play cabins.



Remote telemetry: Dashboard



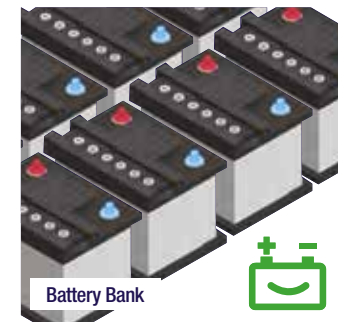
External power outputs



Link up sockets



Solar PV Panels



Battery Bank



Extendable solar panel wings

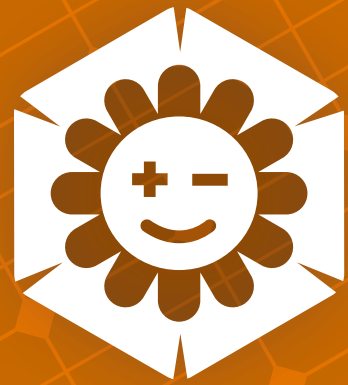


Cabin security - Deadlocks all round

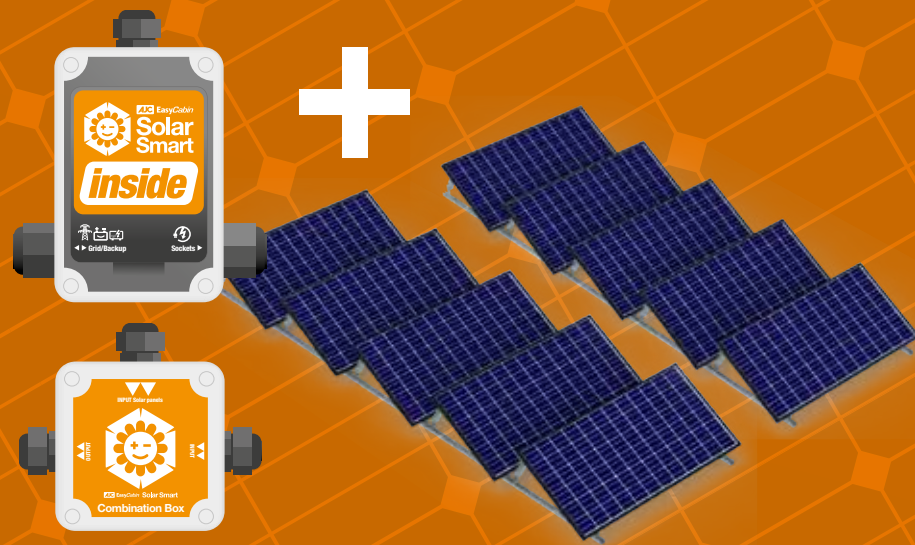


Sand trap ventilation

Rounded corners & low level lifting



Solar Smart



More Energy

Pre-installed with micro inverter, individually optimises modules and maximises power deployment

All-in-one

Integrated with micro inverter, delivers high performance and saves space

Easy installation

Significantly reduced installation & configuration time. Decreased costs and up-front investment

On-board solar panel DC-to-AC conversion
= No hard-wiring, No big boxes

Auto-switching power management
= High efficiency

Every roof is a renewable opportunity

On normal traditional solar installations, all power conversion is done using large inverters, battery packs, charge controllers, regulators, power meters, and all the associated wiring that goes with joining all this together.

The on-board capability of DC-to-AC conversion combined with the Solar Smart Box power management make this a one-of-a-kind product. (patent pending)

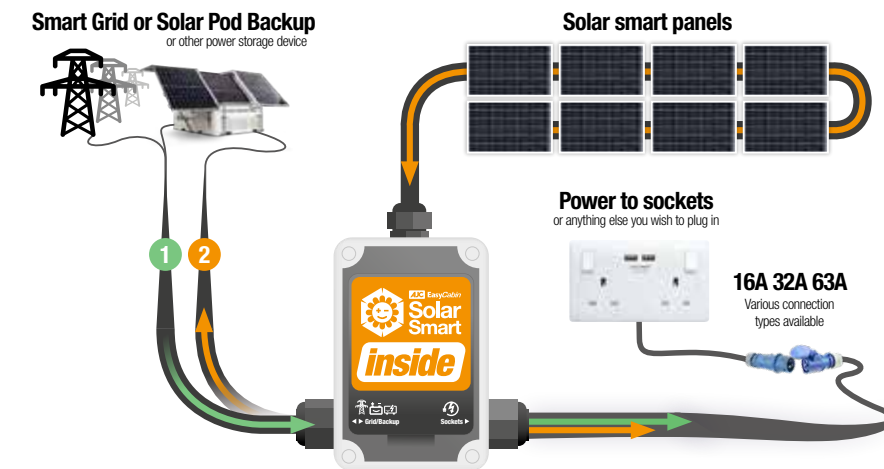
Solar Smart panels are highly efficient and capable

of up to 400W AC power input per panel. Power is fed from the solar panels direct to the Solar Smart Box and depending on the load detected, routes it to where it's needed.

If no power is used within the cabin or building, all power is switched and diverted to The Solar Pod.

When the power inside the cabin exceeds the solar input then extra power is mixed in to cope with demand (Local grid, Solar Pod, or battery bank).

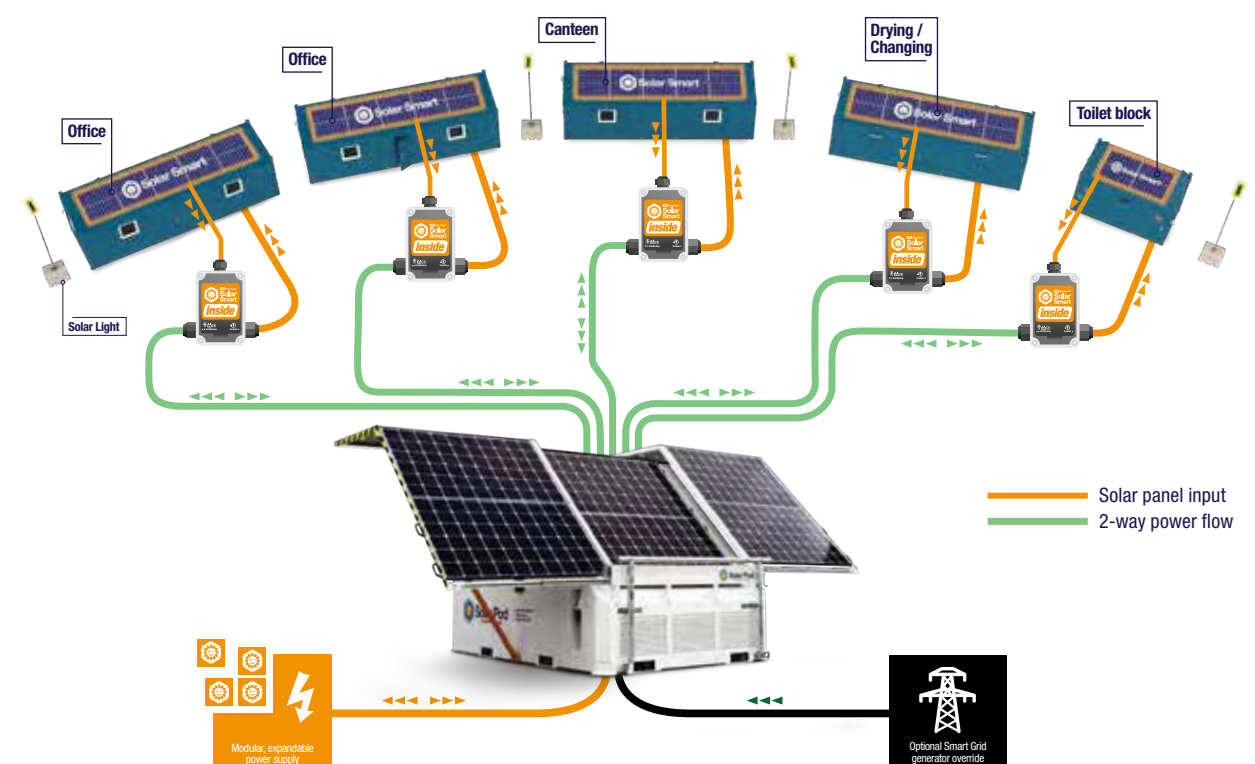
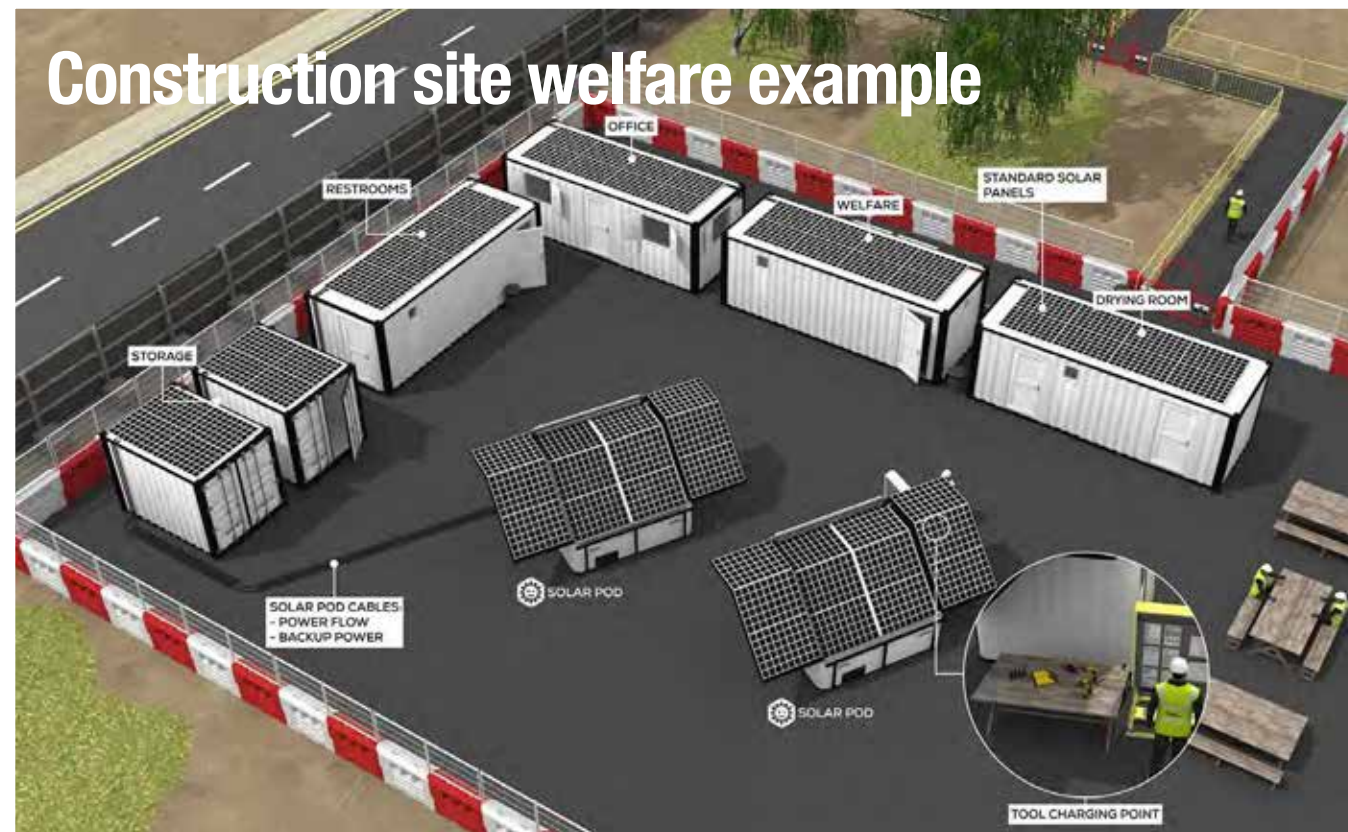
The Solar Smart Box will ensure that solar power has priority at all times, switching to other sources connected only when necessary. This will save fuel & energy costs and keep power for other high demand items on the local power grid.



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.

Construction site welfare example



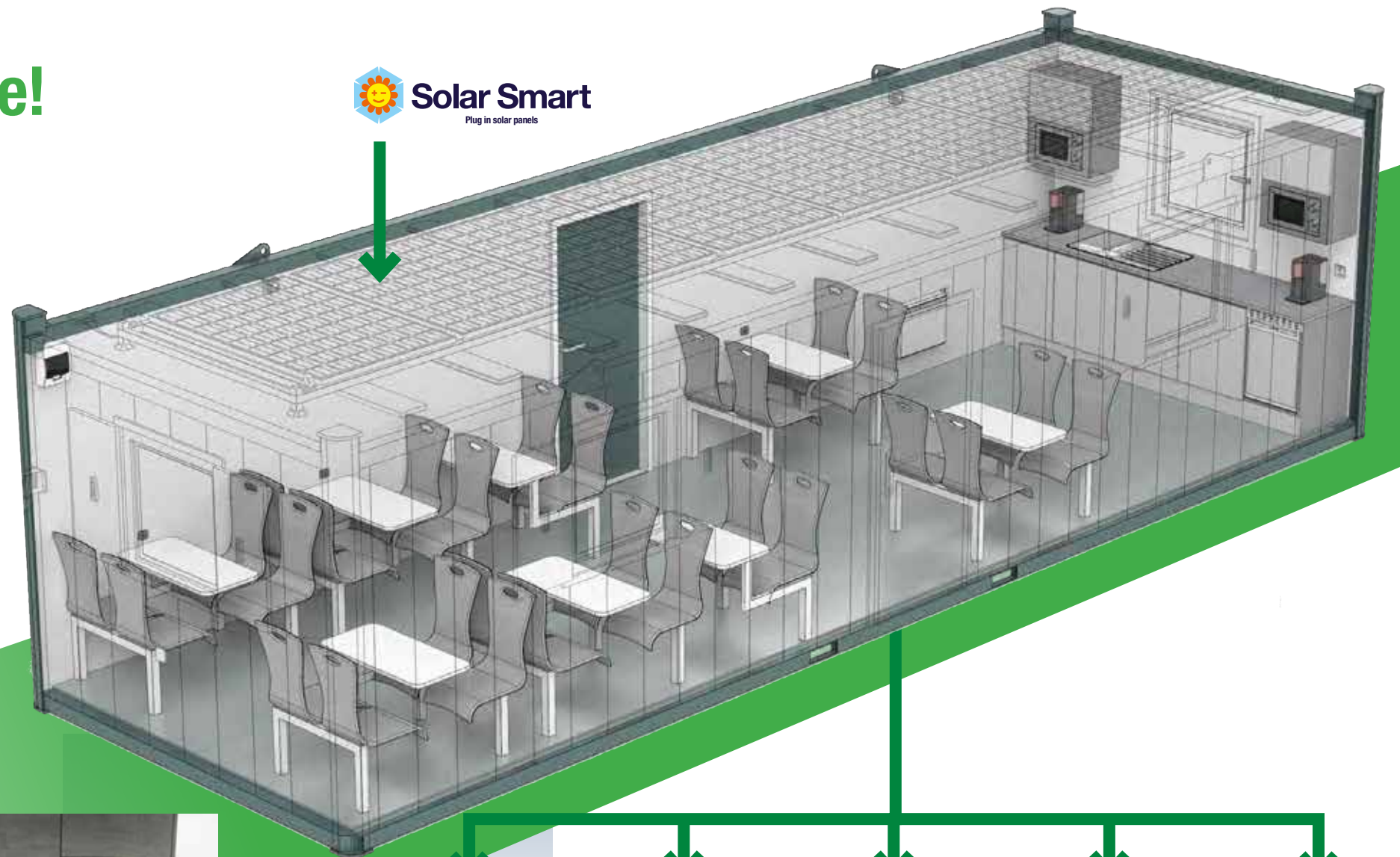
Don't waste a drop of sunshine!

AJC EasyCabin

Ecosmart Plug 'n' Play

We have integrated our Ecosmart system into plug'n'play static cabins to save energy and work with hybrid power inputs.

 **Solar Smart**
Plug in solar panels



Kettle & Microwave



Lighting



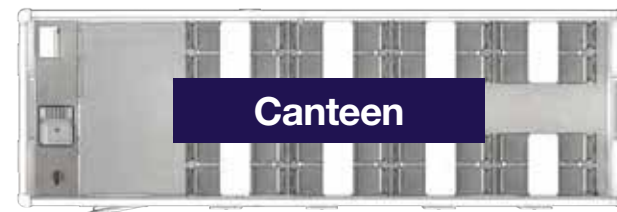
Hot water



Heating & Air-con



Sockets



Canteen



Office



Drying



Toilet

Power Pod

Responsive, modular power storage for sites large & small.

The Power Pod reduces carbon emissions and fuel costs associated with power provision by storing energy to provide offline power to your site.

Energy can be stored from multiple sources and channelled to where it's needed automatically when demand is high.

The Power Pod is designed to be modular and plug 'n' play. Insert the unit in between your grid power and your units. Add more Power Pods for more storage.

Our Autosmart system ensures that all the end user needs to do is switch on and use.

There are 3 model options with various power outputs and storage capacities.



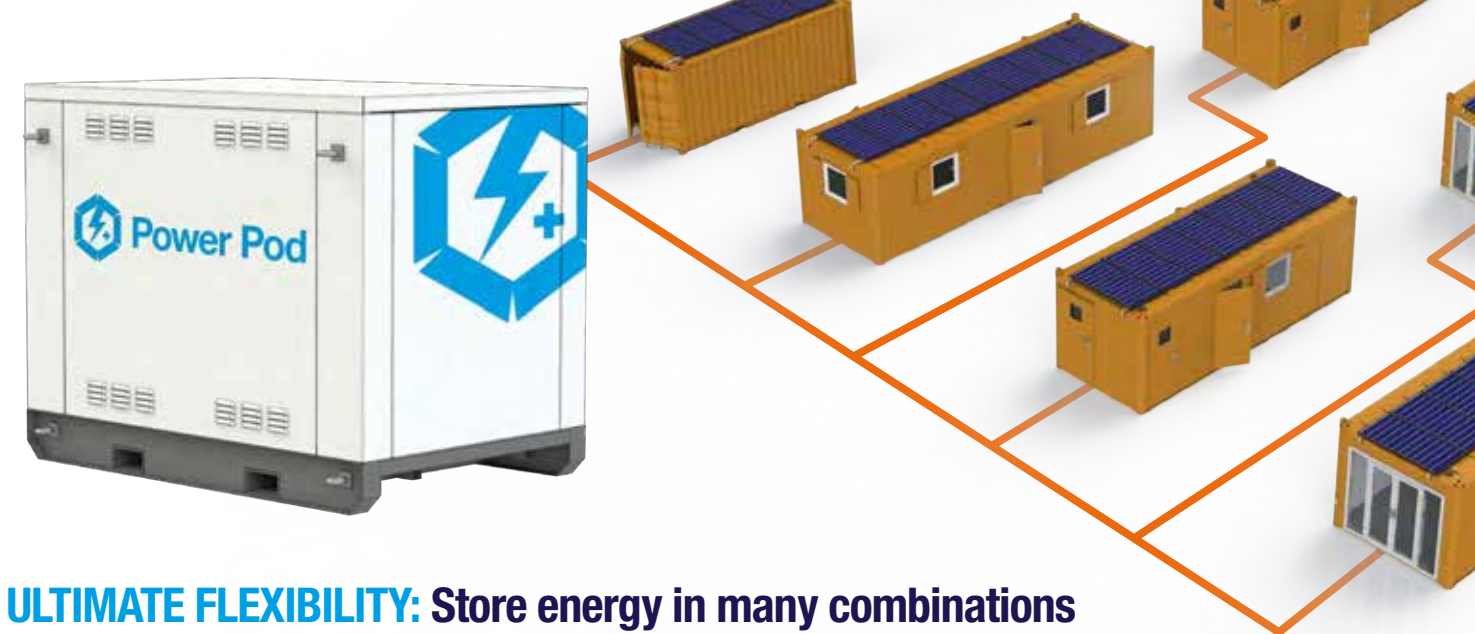
For large site set ups, multiple Power Pods can be used. Modularise the site into segments which will optimise the performance of each Power Pod.

The Power Pod is designed to work in harmony with other EasyCabin products to increase efficiency further.

Adding a Solar Pod into the chain will allow solar energy to be stored in the Power Pod. Effectively increasing the power storage potential of the Solar Pod. The Power Pod has the capability to control the Solar Pod's integral backup generator to charge and meet power demands.

Adding the Power Pod to a Solar Smart Panel installation, allows storage when demands is low and lowers dependence on the grid or other backup power generators.

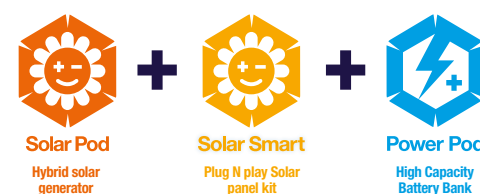
<p>Modular Expandable power storage</p>	<p>Works in harmony with Solar Pod & Solar Smart</p>	<p>Smart Grid OR diesel generator direct input</p>	<p>LOW Reduce local site noise levels</p>
<p>Autosmart Automatic operation and power switching</p>	<p>Plug & Play Simple plug in and use</p>	<p>Protect Against power drop-outs and inconsistency</p>	<p>Emissions CO₂ REDUCED</p>



ULTIMATE FLEXIBILITY: Store energy in many combinations

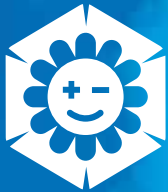
<p>Smart Grid</p>	+	<p>1 or more Power Pods</p>	+	<p>Compatible Generator</p>	+	<p>1 or more Power Pods</p>	+	<p>Smart Grid & Compatible Generator</p>	+	<p>1 or more Power Pods</p>
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Solar Smart [Site]



Connect Power Pods with Solar Smart Panels & Solar Pods to save more energy. Power large and small sites.

<p>1 or more Solar Pods</p>	+	<p>1 or more Power Pods</p>	+	<p>Solar Smart Panels</p>	+	<p>1 or more Power Pods</p>				
<p>1 or more Solar Pods</p>	+	<p>Solar Smart Panels</p>	+	<p>1 or more Power Pods</p>	+	<p>Smart Grid & Compatible Generator</p>	+	<p>Solar Smart Panels</p>	+	<p>1 or more Power Pods</p>
<p>Smart Grid</p>	+	<p>1 or more Solar Pods</p>	+	<p>Solar Smart Panels</p>	+	<p>1 or more Power Pods</p>				



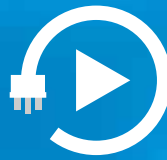
Solar Pod

Hybrid solar generator



Solar Smart

Plug 'n' play solar panel kit



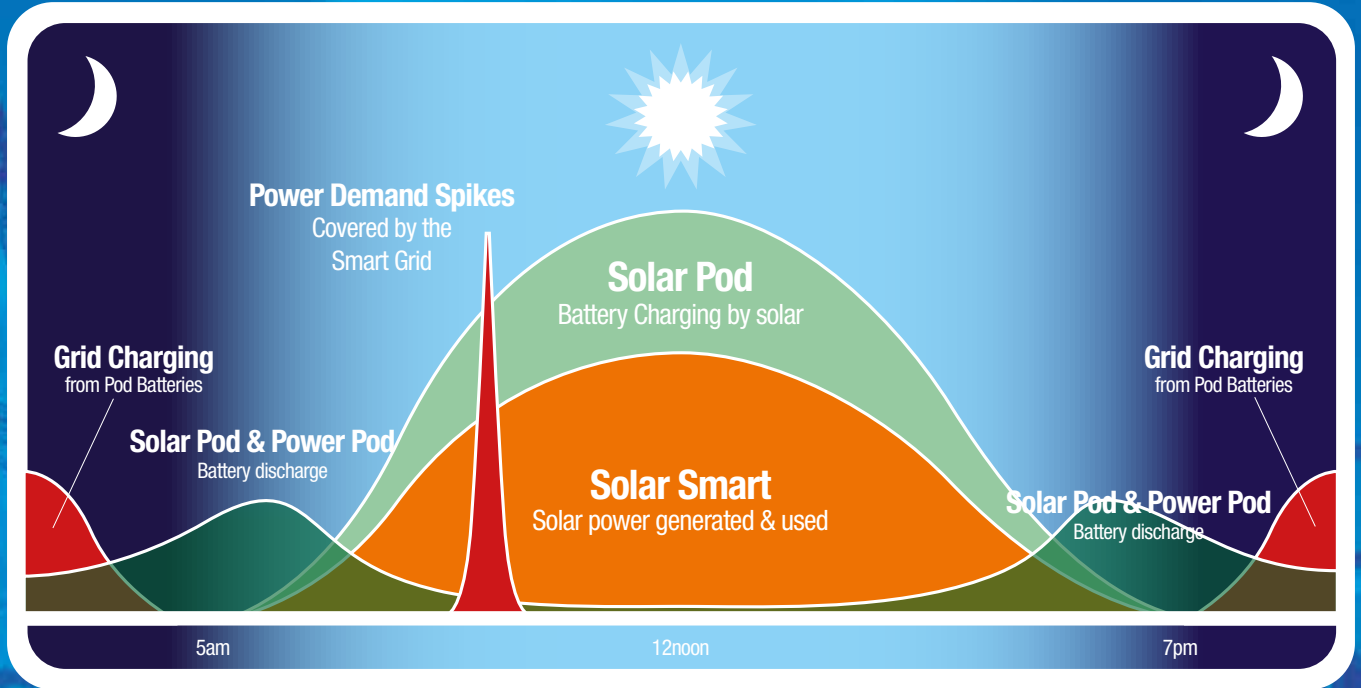
Ecosmart Plug 'n' Play

Static cabins built power saving



Power Pod

High Capacity Battery Bank



Award winning welfare  Designed & built in the UK



AJC EasyCabin

VISIT
easycabin.co.uk

CALL
01582 486663

EMAIL
info@easycabin.co.uk

FOOTNOTES

- I. Annual solar input based on usage hours per day, 130 days in winter mode and 130 days in summer mode. Each day is a typical usage day. 60p per litre red diesel.
- II. CO2 per Litre of fuel / DEFRA 2019 figures. Red Diesel = 2.758
- III. 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.
- IV. 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.