

Charge Pod

Patent Pending

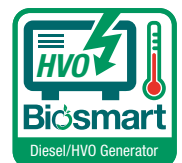
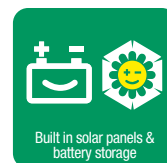
Tool charging - Right where it's needed.



Self-powered & automatic
No plug-in required



Autonomous hybrid power supply with HVO backup power.



Charge Pod

Keep tools charged close to where they are needed.

Designed to charge multiple battery-powered tools and hand-held devices.

Reduce temporary electrics and cables on your site.

Locate a Charge Pod next to where staff are working and increase productivity. No more trips back-to-base to charge and collect tool batteries.

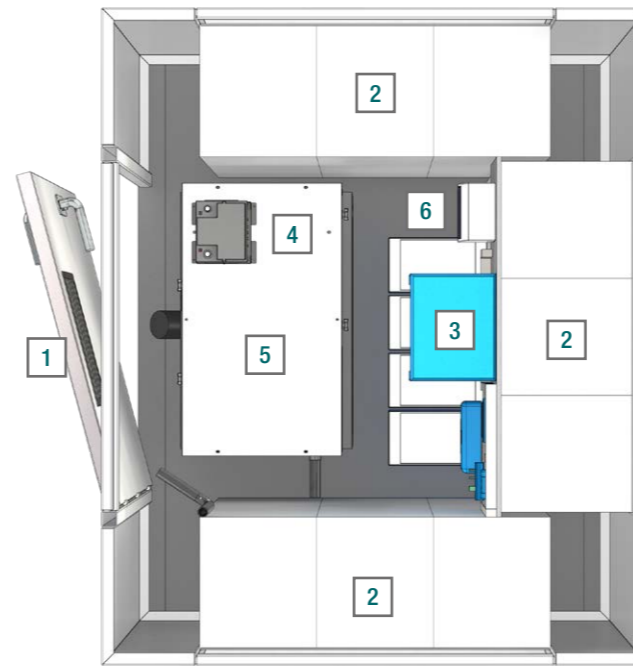
The Charge Pod (patent pending) significantly reduces carbon emissions and fuel costs associated with tool charging by harvesting solar energy to provide free power to your sites.

Complete with a backup HVO compatible generator or hydrogen fuel cell, 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.

There are up to 36 lockers, ready for your workers to have individual access and keep their items safe while charging. Larger lockers are available in the layout if needed.

Each locker has two 230V 3pin sockets plus two USB 2.0 sockets.

Each door is water proof, sealed with rubber seals all round to keep wind and rain out. Each locker is vandal proof and secure. Available with key or code access.



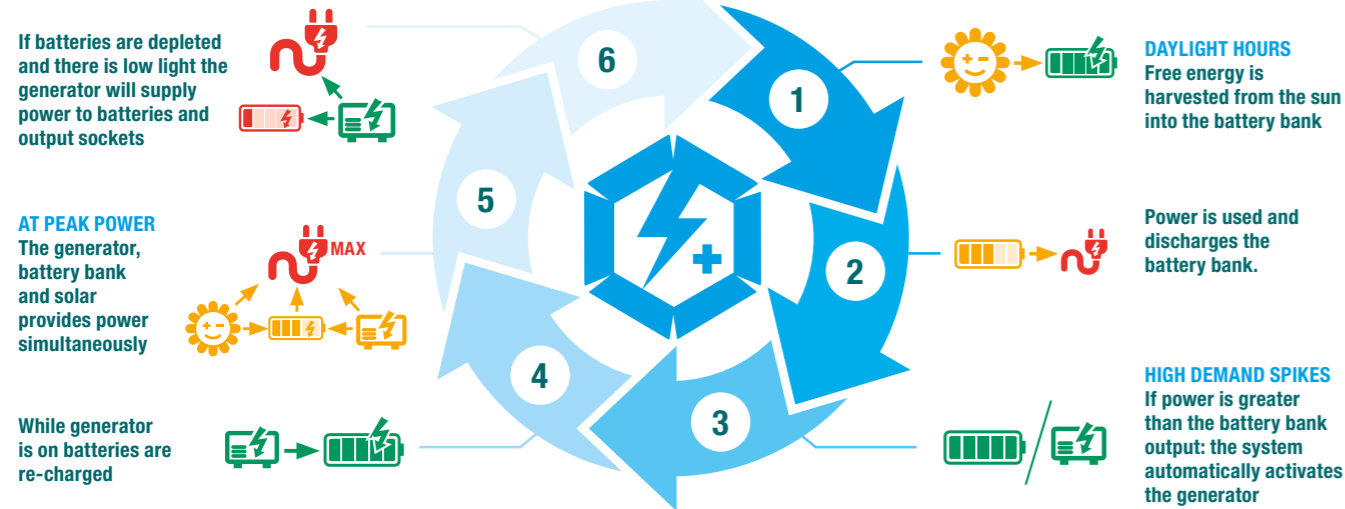
- 1 High security steel door with ventilation and all-round deadlocks
- 2 Locker groups
- 3 Systems: Solar charger, battery bank, coms, inverters
- 4 Electrical trip switches
- 5 Generator battery
- 6 Generator & Fuel tank OR Hydrogen fuel cell

For extra piece-of-mind there is an optional Integrated Handwash Station.

Optional ZERO emission power: We can swap the diesel generator with a hydrogen fuel cell.

OUTPUT POWER	AC Output Voltage	50Hz, 230V
	Output Connections	Up to 36 single sockets + USB 2.0 RCBO protected
INPUT POWER	Solar panels (on board)	660 watts
	Generator backup power	6.0 KVA / 4.8 KW
	Generator Fuel Type	Diesel EN 15940:2016 + HVO Compatible
	Fuel Consumption	Fuel is only used when the generator is active. Generator is constantly in AUTO and only activates when required; battery charging and/or high load spikes. 100% load: 2 Litres per hour 75% load: 1.75 Litres per hour 50% load: 1.00 Litres per hour 25% load: 0.50 Litres per hour
POWER STORAGE	Fuel tank capacity	140 L
	Type	AGM (Absorbent Glass Matt)
	Capacity @ 25°C	5kW
ENVIRONMENT	Charge Time (hours approx)	2
	Operating Temperature Range (°C)	-20°C to +55°C
	Solar panels - Max physical load	Humidity (non-condensing): max 95% Wind: 4000 Pa, 408 kg/m² front & back Snow: 6000 Pa, 611 kg/m² front
MECHANICAL	Solar panels - Impact Resistance	25 mm diameter hail at 23 m/s
	Dimensions (mm)	W 1740 x L 2090 x H 2445mm
	Weight (kg)	TBC kg
PHYSICAL STORAGE	Lift Points	Forklift pockets & bottom lift
	Locker size	W 300mm x H 450mm x D 300mm Larger locker sizes are available on order

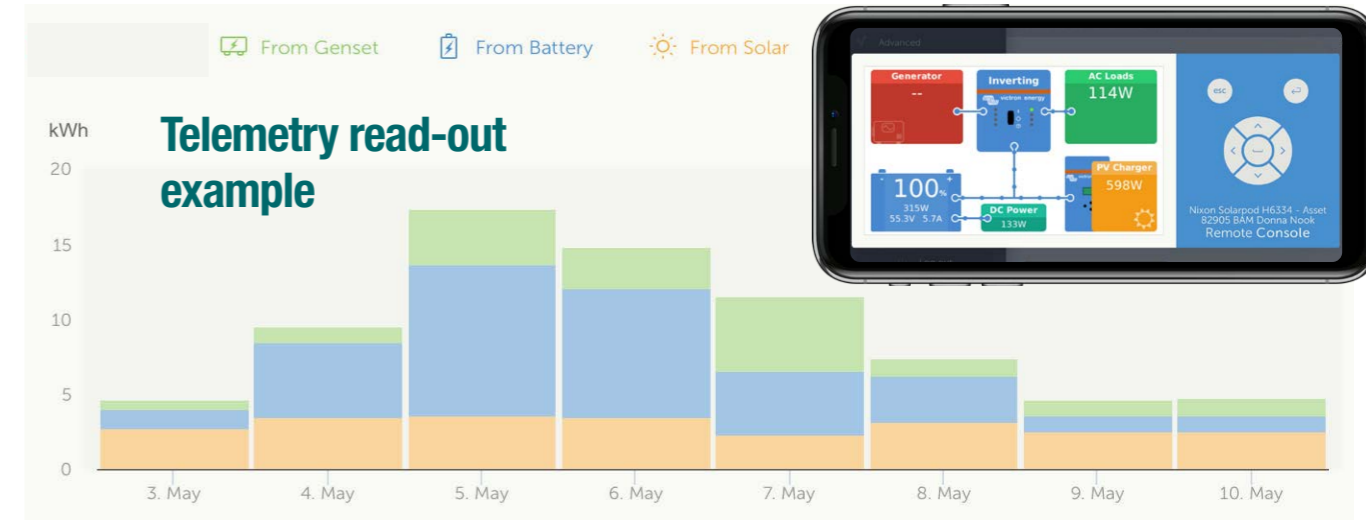
How it works



CONTROL	System Controls (All models)	<p>Remote telemetry connection via local WiFi or 4G internet connection.</p> <p>Controlled by App. (Android or Apple)</p> <ul style="list-style-type: none"> Low fuel level alarm & monitoring. Generator control; load management, optimised quiet hours and scheduled runs. Enhanced system management. Ability for users to program custom logic sequences. System commissioning/decommissioning assistants. Troubleshooting assistants & diagnostics. User friendly graphical performance & event logs. Enhanced environmental control. Remote communication, monitoring & control.
	Soft start timer	24/7 manually operated timer with soft start functionality to prevent overloading
	Generator telemetry (optional)	<ul style="list-style-type: none"> Monitoring. Enhanced system management. Generator control. Troubleshooting assistants & diagnostics. Event logs. Remote communication, monitoring & control.

Optional

Optional





Optional Hand wash station

Instant hot water

Designed to keep power usage to a minimum. Power to the electric instant hot water heater comes directly from the Charge Pod's hybrid power systems.

All surfaces are easy to clean & touch points are minimised. An infrared sensor tap ensures contact and transmission of germs through hands is minimised.

Included

- Soap / Towel dispenser
- Water tank
- Infrared sensor tap for hands free water flow
- Stainless steel sink
- Disposal bin built in
- Efficient electric hot water boiler
- Power managed and supplied by on-board hybrid power systems. Solar / Batteries / Generator



Biosmart HVO



Biosmart products are designed to run both HVO and regular diesel whilst maintaining a manufacturers warranty. The perfect solution whilst in the transition away from fossil fuels.

**360°
Service**

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

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 2022 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.