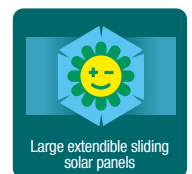
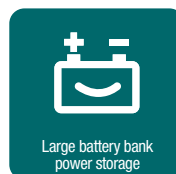


Solar Tower Pod

ZERO^{CO2} Emissions
Flood Lighting



**Harvest & store solar energy
for all night flood lighting.**





Solar Tower Pod

Zero noise, Zero Emissions. High power flood lighting.

The Solar Tower Pod eliminates carbon emissions and noise associated with off-grid floodlights.

Equipped with large extendible solar panels to ensure maximum solar input in all seasons. The combination of the large battery bank and LED floodlights provides all night flood lighting.

The 6x powerful LED lights are adjustable for focus and angle. 17,500 lumens brightness from the total array.

The built in Autosmart technology efficiently manages the power supply between solar PV and the large battery bank.

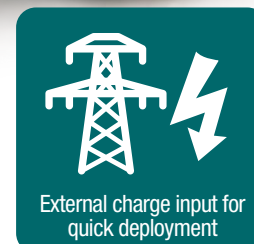
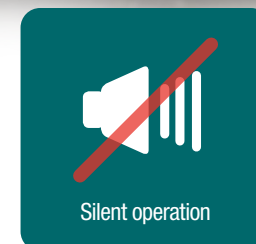
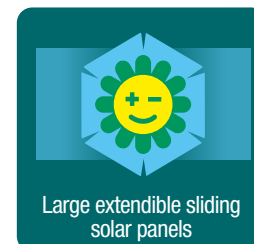
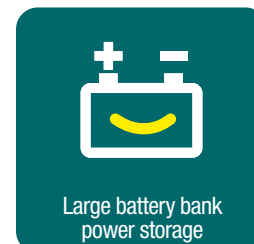
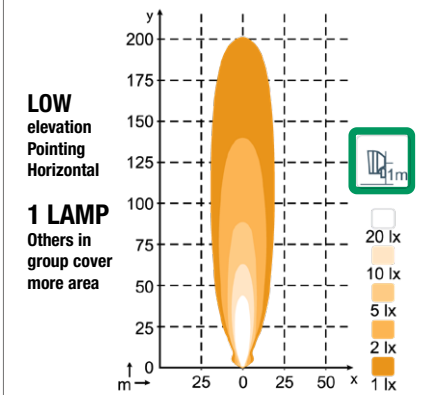
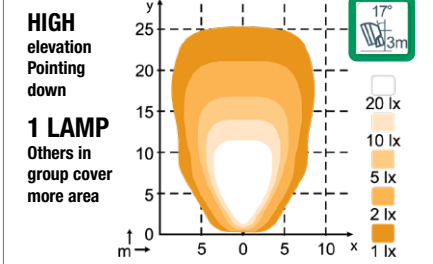
A built in daylight sensor controls floodlight activation whilst in auto mode.

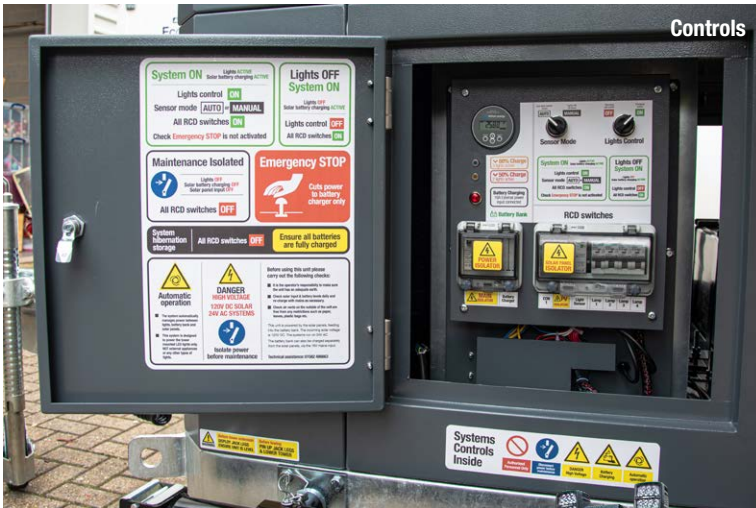
Conveniently built onto an AL-KO braked, single axle trailer with stabilisation legs.

FLOODLIGHTS		ENVIRONMENT	
Type	LED 6x	Operating Temperature Range (°C)	-20°C to +55°C Humidity (non-condensing): max 95%
Lumens	4400 lm each 17,600 lm Total array	Solar panels - Max physical load	Wind: 4000 Pa, 408 kg/m ² front & back Snow: 6000 Pa, 611 kg/m ² front
Power Consumption	50w per light	Solar panels - Impact Resistance	25 mm diameter hail at 23 m/s
IP rating	IP68, IP6K9K, SAE J1455	Mast	Maximum Wind Speed 110 km/h
SOLAR		MECHANICAL	
Solar panels (on board)	800w extended to 2.2kW Each Panel 400w	Axle running gear	AL-KO braked single axle. Road lights. Jack legs
Type	AGM (Absorbent Glass Matt)	Mobile Model Dimensions (mm)	Overall length (inc. tow bar) 3790mm Width (wings closed) 2170mm Width (wings opened) 5220mm Height (Tower down) 2440mm
Capacity @ 25°C	800 AH	Weight (kg)	TBC kg
Charge Time (approx)	8 Hours	Mobile Model Lift Points	OPTIONAL
Service life (years)	> 5	Mast	Mechanical lifting winch. Max Height 8.5m. Rotation 340°
SYSTEM			
Prime Rating @ 25°C	63Amp / 15kVA / 12kW		
System Voltage	24V		
Input back up charging point	1 x16A single phase IP67 CEE Socket outlet, RCBO protected		

CONTROLS	
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 battery alarm & monitoring. • 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.

LIGHTING SPREAD / ANGLES & HEIGHTS





Controls



Rotating / Extending Mast



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
- Service Support
- Marketing Support
- Technical Support
- Delivery / Handover
- Parts / Upgrades
- Product Training



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.