

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







Solar Tower Pod

### Mobile, off-grid, self-charging floodlight.

The Solar Tower Pod eliminates local 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 4x powerful LED lights are adjustable for focus and angle. 36,000 lumens brightness from the total array.

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

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

Conveniently built onto a single axle trailer with stabilisation legs.

There is a 16A external plug for swift battery charging from mains or generator when required before deployment or in low light locations.



Solar panels (on board)

Input plug

Lumens / Brightness

Туре

POWER GENERATION





ZER

Emissio

9000 lm

MAST Max Extended Height (From Ground) Wind rating (speed)

## **ZERO**<sup>°</sup> Emissions **Floodlight**

RO 02 sions Silent operation No Generator
16A @ 600wh
LED 4x
10 Im each / 36000 Im Total array
60w per light
240wh
x4
450w
1800w
Monocrystal Silicon
1000wh
Gel Batteries AJC SUB ZERO Lithium Iron Phosphate
14400 wh
AL-KO Single Axle / Braked
d (mm) L 2300 × W 2000 × H 2640mm d (mm) L 3400× W 3100× H 7200mm
1400 kg
185/70 R14 79H
4pcs Manual
n Ball 4412LBS (Optional Eye type)
Hydraulic
7200 mm
100 kph (62mph)



FOOTNOTES

Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of solar power generated 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,



### **Average Effective Illuminance**



AJC Power Solutions

Obij

#### System & Hydraulic controls













 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.

Carbon emission statistics are from Department for Business, Energy & Industrial Strategy. Greenhouse gas reporting: conversion factors 2022. https://www.gov.uk/government/organisations/department-for-business-energy-and-industrial-strategy