Falcon

solar light 202



ZERO

Fuel

Noise

Emissions

Maintenance

Overview

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Enhanced Design Features

Power

The Falcon Solar Light 202 harnesses the suns power through 3 extendable high grade solar panels that ensure maximum lighting performance and brightness.

Security

The Falcon Solar lighting tower comes complete with galvanized retractable stabilizers for added security when in operation.

Design Quality

The Falcon Solar Light 202 has been manufactured with high grade steel and is powder coat painted to the highest standards and c/w certified high quality electrical components.

Easy Set Up

The Falcon Solar lighting tower comes complete with a manual winch operated mast allowing easy setup time.

Our Mission

We design products that harvest clean energy, minimising the impact on the environment.

In line with the UK & European government commitments of realizing zero net carbon by 2050, we are focused on reducing carbon emissions throughout our business and supply chains by bringing the most innovative and advance products to market in line with progress to a circular economy.



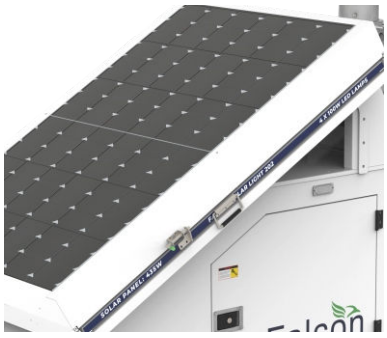
Features

The Falcon Solar Light 202 is a compact and powerful Transportable solar lighting tower. The FSL-202 features 4 LED lamps which provides a brighter and more environmentally-friendly lighting system.

The innovative solar panel and trailer design make the FSL-202 easy to transport, set up & maneuver in limited spaces.



Superior Features



Manually extendable & adjustable Solar PV panels designed to maximise the suns rays during day light hours.



4 x 100W tiltable LED lighting system with 8.5m manually extendable mast with 360° rotation head providing maximum lighting coverage.



Intelligently designed electrical control panel display providing multiple user optimisation options.

SECTORS

- CONSTRUCTION
- SPECIAL EVENTS
- OIL , GAS & MINING
- HARD TO REACH AREAS
- MILITARY

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Model - FSL-202



Specification

Brand	Falcon
Name	Solar Light Tower
Model	FSL-202
Material	Steel Q235
Powder	Outdoor Type
Transport Dimension (LxWxH)	2200 x 1600 x 2200 (mm)
Operate Dimension (LxWxH)	3200 x 3400 x 9000 (mm)
Weight	1300kg
System Voltage	DC48V

Solar System

Solar Panel	3 x 435W Monocrystalline Silicon 108pcs
Voltage	DC39V
Charging Time	6.6 hours

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Light System

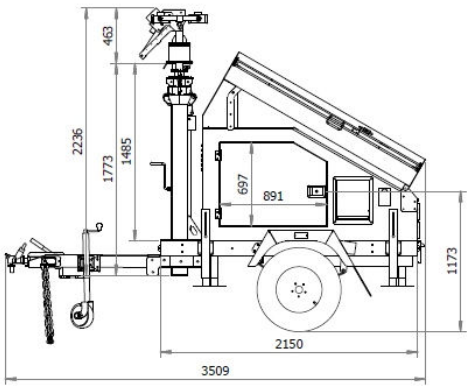
LED flood light	4 x 100W outdoor waterproof 60000lm
Protection Class	IP65
Efficiency	150Lm/W
Voltage	DC48V
Running Time	20.5 hours

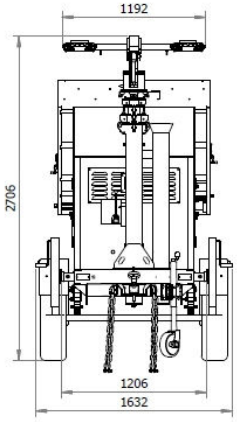
Mast System

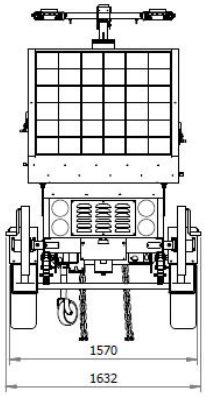
Body	Steel Q235 Galvanized
Fastener	Stainless steel 304
Wire Rope	Stainless steel 316 8mm
Type	Square Telescopic
Height	8.5m
Section	5
Rotation	360° automatic (optional)
Tilt	90° automatic (optional)
Spring Cable	Power Supply
Lifting Method	Electric lifting
Recommended Loading	5kg ~ 70kg
Windproop	117kph

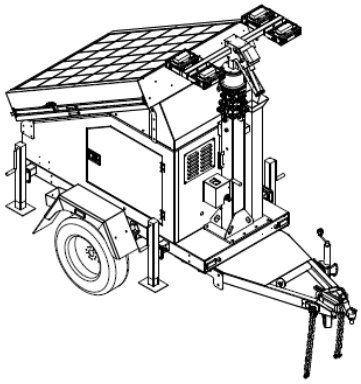
Charger System

Rated Power	2.5kW / 2.5kVA
Frequency	50Hz / 60Hz
Plug & Socket	1 x AC 110V/220V Input









Transport Dimensions

Length (L) (mm)	2200	Weight (Kg)	1300kg
Width (W) (mm)	1600	Loading capacity in 40 HQ (units)	07
Height (H) (mm)	2200		

2400 SQM

0% EMISSIONS

0% NOISE

0% FUEL

RUN TIME 365 NIGHTS

07 PER TRUCK

Harvesting Clean Energy / Protecting Our Environment

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Battery System

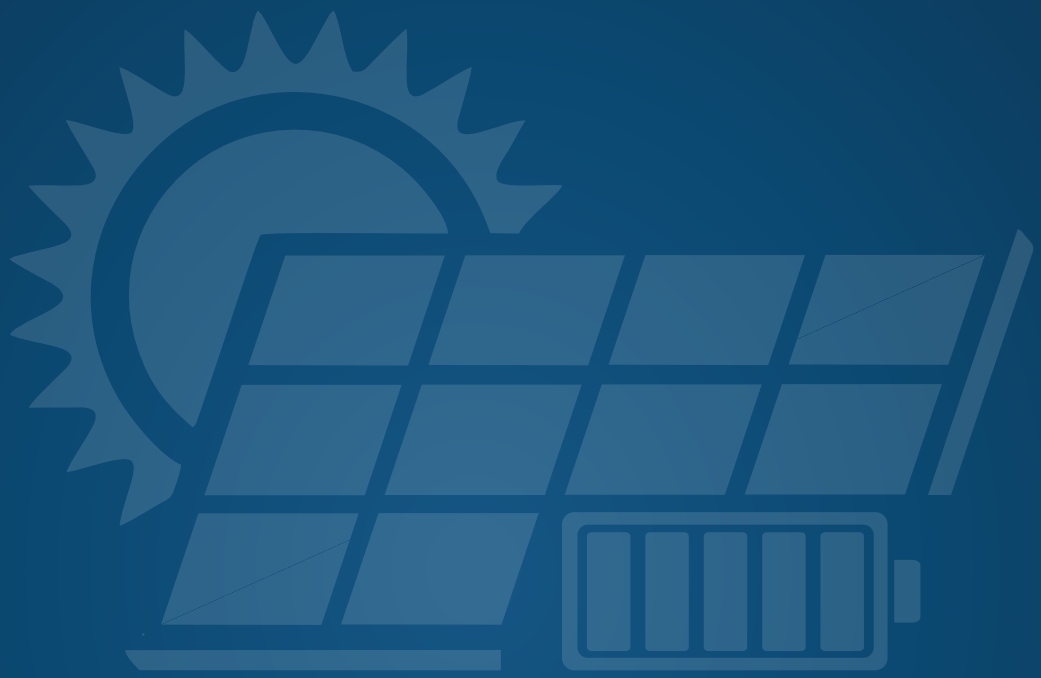
Lithium-ion battery (LFP)	2 x 200Ah BMS
Voltage	DC25.6V
Power Capacity	10240Wh

Control System

Solar Controller	Victron MPPT 35A
Efficiency	95%+
Detection & Protection	Short-Circuit, Overload, High Voltage, High Temperature
Timer	Manual
Whole Machine	Battery Isolator, Light on-off

Trailer System

Standard	US / AU / EU
Tow Hitch	50mm / 2" Ball Type
Trailer Light	7 Pin
Jockey Wheel	200mm / 8"
Axle	Single Suspension Bump Brake
Tire	2 x 15 inch
Wheel Chock	2
Forklift Hole	2
Outrigger	4 x Manual Galvanized
Warranty	3 years



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