Falcon
solar light 203

ZERO *Fuel* *Noise* *Emissions* *Maintenance*

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Enhanced Design Features

Power

The Falcon Solar Light 203 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 203 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 automatic telescopic mast operated by a push button device conveniently located on the unit.

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.

Harvesting Clean Energy / Protecting Our Environment

Features

Falcon Solar Light 203 is a compact and powerful portable solar lighting tower. The FSL-203 features 4 LED lamps which provides a brighter and more environmentally-friendly lighting system.

The innovative solar panel and trailer design make the FSL-203 easy to transport and set up without taking up valuable space.

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 electrically extendable mast and 360° rotation head providing 2400 sq.m of 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-203

Base System

Brand	Falcon
Name	Solar Light Tower
Model	FSL-203
Material	Steel Q235
Powder	Outdoor Type
Transport Dimension (LxWxH)	2250 x 2200 x 2200 (mm)
Operate Dimension (LxWxH)	3250 x 4400 x 9000 (mm)
Weight	1600kg
System Voltage	DC24V

Solar System

|	
Solar Panel	4 x 460W Monocrystalline Silicon 144pcs
Voltage	DC39V
Charging Time	7 hours

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Light System

LED flood light	4 x 150W outdoor waterproof 90000lm
Protection Class	IP65
Efficiency	150Lm/W
Voltage	DC24V
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
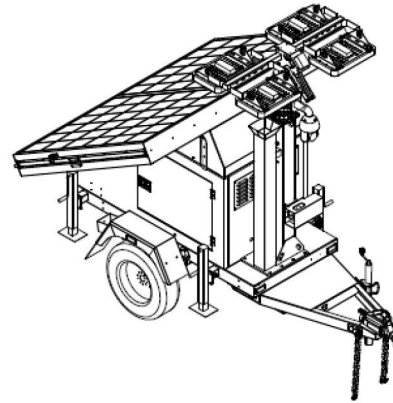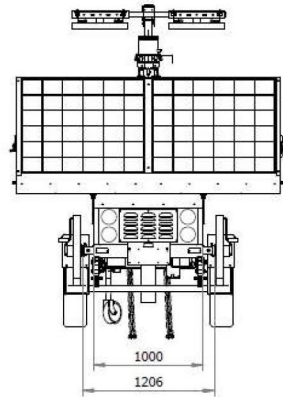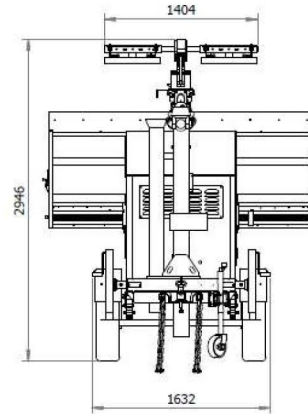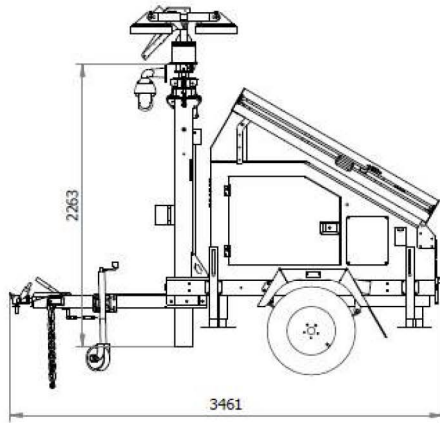
Transport Dimensions

Length (L) (mm)	2250	Weight (Kg)	1600kg
Width (W) (mm)	2200	Loading capacity in 40 HQ (units)	05
Height (H) (mm)	2200		

2400 SQM

0% EMISSIONS

0% NOISE

0% FUEL

RUN TIME
365 NIGHTS

05 PER TRUCK

Harvesting Clean Energy / Protecting Our Environment

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Battery System

LEP	3 x 200Ah BMS
Voltage	DC25.6V
Power Capacity	15360W.h

Control System

Solar Controller	Victron MPPT 70A
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