

# SOLAR OWL

## Mobile Lighting Tower

► Zero cost    ► Zero carbon    ► Zero noise    ► Smart Technology

### Introducing the new SOLAR OWL

The SOLAR OWL lighting tower takes mobile solar energy to a new level. The SOLAR OWL generates its own energy, stores it and then supplies it when it is needed, ensuring you have adequate lighting to meet your needs at all times. There is no need for a diesel engine to supplement any power: the SOLAR OWL uses premium solar panels with the latest lithium-ion energy storage technology, supplying you with cost-effective energy efficient LED lights and creating true “green” powered lighting

- Solar generation 4.4KW–12 X 370w solar panels
- Lighting output 800W LED–4 X 200W, 104,000 lumens
- Option to add another 400W (for a total of 1200W and 156,000 lumens)
- 48V – 24kWh lithium ion battery storage
- Hydraulic mast (10M height)
- 270 degree light mast rotation
- Simple one person operation
- Australian design and operation
- QA / QC welding certification

### Smart Technology

- Monitor and control remotely through ZECO proprietary Technology accessible through mobile device.
- Fleet and monitoring control
- Light and motion sensor operation
- GPS location and tracking



No diesel    No refueling labour    No engine servicing    No noise    No carbon footprint



## SOLAR OWL lighting tower specs

SOLAR PANELS	
Panels	12 x 370W monocrystalline (60 cell)
Solar panel capacity	4.44kW
Solar charge controller	2 x MPPT-48V - 60A
LIGHTING	
Capacity	4 x 200W (option for 5-8 lights)
Output	104,000 lumens
MAST SYSTEM	
Mast height	10m
Mast operation	Hydraulic
Mast rotation	270°
Light head tilt	Included
BATTERIES	
Type	Lithium-ion Phosphate
Chemistry	LiFePO4
Battery bank capacity	24kWh-48V
Depth of discharge (DOD)	90%
TRAILER	
Axles	Tandem
Finish	Galvanised
DIMENSIONS	
Overall width stowed	2,400mm
Overall length stowed	6,681mm
Overall height stowed	3,503mm
Overall width deployed	5,840mm
Overall length deployed	6,681mm
Overall height stowed	10,000mm
Wind load certified	100km/hr
Weight	2,900kg
OPTIONS	
1-4 additional 200W LED lights or larger 300W or 400W lights	Dry chemical fire extinguisher with quick release bracket (4.5 or 9kg)
Spare wheel	Hi-vis identification kit
75mm ring hitch	Wheel chocks
5 spoke wheels	Beacon

## Features

As soon as the sun rises, the SOLAR OWL automatically begins generating solar PV (energy). The current battery storage will provide energy for three 12-hour shift operations without battery charge. As solar is produced even in winter, the SOLAR OWL will produce endless energy. In addition, 48V DC extra-low voltage avoids test and tag requirements.

## About ZECO Energy

ZECO Energy is a specialist in solar and battery storage solutions for your home, commercial building and mobile applications. It is the authorised distributor and technical support and service centre for SAMSUNG batteries, Hansol inverters, Q CELL inverters and batteries, and Delta Electronics inverters and batteries.

## Get in touch

**Office:** Factory 6C / 148 Chesterville Road  
Moorabbin VIC 3189

Phone: 1300 00 ZECO (9326)

Email: [sales@zecoenergy.com.au](mailto:sales@zecoenergy.com.au)

No diesel

No refueling labour

No engine servicing

No noise

No carbon footprint