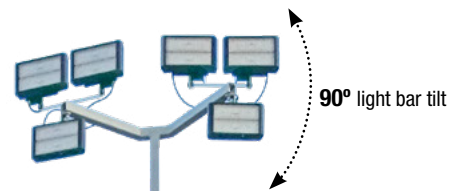


SolarStar 480

Solar Lighting Tower

Introducing the SolarStar 480, the latest in super efficient mobile SOLAR LED Lighting. Take advantage of solar renewable energy with 480W LED light (6x 80W Lights), giving you 76,800 effective lumens. The electrically operated mast (12V DC Linear Actuator), reaching a height of 8.3m, is safe to operate, doing away with hydraulics and winches. The mast can be easily rotated 350°, by hand, by one operator, while tilting the lightbar is operated electrically, to 90°. The sun is harnessed through 1580W of solar panels, consisting of 4x 395W solar panels. This unit holds 8x 300 Ah 12V – deep cycle Gel Batteries, giving a battery bank capacity of 600Ah – 48V.

Ideal for special events, construction and mining sites, security and any other application where on-demand lighting is desired. This system provides cost-effective LED lighting without all of the disadvantages inherent to diesel lighting systems – high operating costs (diesel fuel, maintenance and labour) as well as carbon emissions, noise and fumes.



90° light bar tilt



350° light mast rotation



- 1580W – 4x 395W SOLAR PANELS
- 480W – 6x 80W LIGHTS – 160 EFFECTIVE LUMENS PER WATT = 76,800 EFFECTIVE LUMENS
- USER FRIENDLY
- MINE SITE READY
- SIMPLE ONE PERSON OPERATION
- AUSTRALIAN MADE
- QUALITY BUILT
- ELECTRIC MAST OPERATION – NO HYDRAULICS, NO WINCH
- 350° MANUAL MAST ROTATION
- 600AH - 48V BATTERY BANK CAPACITY
- AUTOMATED SOLAR PANEL DEPLOYMENT - OPTIONAL



LIGHT YOUR SITE TONIGHT

Light Capacity

480W - 6x 80W
160 Effective Lumens / Watt
76,800 Lumens

COST SAVINGS

SolarStar 480's zero fuel consumption helps lowering the environmental footprint.



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SolarStar 480 LIGHTING TOWER SPECIFICATIONS

LIGHTS

480W - 6x 80W High powered LED lights - 160 Effective Lumens / Watt
 Total light Output 76,800 Lumens

MAST SYSTEM

Mast height 8.3 metres
 Mast operation 12V DC Linear actuator
 No hydraulics - no winch cables
 Mast rotation 350° Manual rotation
 Lightbar tilt 90°

SOLAR PANELS

4x 395W Sunpower Max3 solar panels
 Manual solar panel deployment
 Victron MPPT 250/60 solar charge controller

TRAILER

Single Axle Briteforce Heavy Duty Chassis

BATTERIES

8x 300Ah 12V - Deep cycle AGM GEL
 Battery bank capacity 600Ah - 48V
 Depth of discharge (DOD) 12-hour shift: 20.0%
 14-hour shift: 23.3%

DIMENSIONS

| | |
|------------------------------|--------------------------------|
| Overall width stowed 2090mm | Overall width deployed 4020mm |
| Overall length stowed 2458mm | Overall length deployed 4160mm |
| Overall height stowed 2470mm | Overall height deployed 8300mm |
| Wind load 100 km/h | Weight 1660kg |

SOLAR MOBILE LIGHTING TOWER FEATURES

| | |
|--|---|
| Day / night sensor – auto ON / OFF (prevents lights from staying on during day time) | Product treatment – sandblasted, zinc powder primed and powder coated top coat colour |
| 2x lights ON / OFF switch (2+4 lights used) | Solar panel back protection (aluminium checker plate) |
| Lcd charge controller display | Emergency stop |
| Lockable battery isolator | Lockable solar panel isolator |
| Easy to operate control panel | Rugged mine spec construction |
| Safety circuit switches for mast operations | Safety circuit switches for automated solar panel deployment (if optioned) |
| 50mm ball tow hitch | 2000kg disc braked axle |
| Mechanical cable hand brake | Rear fork lift pockets |
| Fold up draw draw bar for ease of transport | 4x tie chassis down points, for easy transport |
| Blue tooth connectivity | Wheel nut indicators |
| Heavy duty 8" jockey wheel | 2 Point lifting at top of unit |
| 16" ROH track 2 wheels | 4x heavy duty wind down stabiliser legs |

LIGHTING TOWER OPTIONS

| | |
|--|---|
| Spare wheel carrier | Custom colour choice |
| Spare wheel | Wheel chocks & S/S brackets x2 |
| 75mm ring hitch | Mine safe lockable isolator bracket |
| 4.5kg or 9kg dry chemical fire extinguisher with quick release bracket | High vis asset numbers & strips on sides, rear and draw bar |
| Electrically operated solar panel deployment – automated option | Remote/portable Victron charger 48VDC 50A |

240V AC - 48V DC - Charger to allow for external battery charging-on board charger

Leaders in LED technology
 3 year warranty on LED lights.



8.3 metres



BRITEFORCE

See your site in a new light

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*Conditions apply.