

SolarStar 320

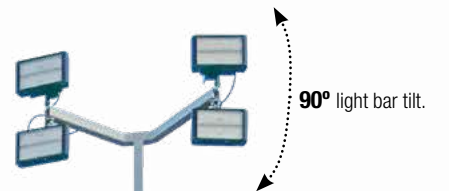
Solar Lighting Tower

Introducing the SolarStar 320, the latest in super efficient mobile SOLAR LED Lighting. Take advantage of solar renewable energy with 320W LED light (4x 80W Lights), giving you 51200 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 360°, by hand, by one operator, while tilting the lightbar is operated electrically, to 90°. The sun is harnessed through 960W of solar panels, consisting of 3x 320W solar panels (4 panel option also available). This unit holds 8x 300 Ah 12V – deep cycle AGM 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.



- 960W – 3x 320W SOLAR PANELS
- 320W – 4x 80W LIGHTS – 160 EFFECTIVE LUMENS PER WATT = 51200 EFFECTIVE LUMENS
- USER FRIENDLY
- MINE SITE READY
- SIMPLE ONE PERSON OPERATION
- AUSTRALIAN MADE
- QUALITY BUILT
- ELECTRIC MAST OPERATION – NO HYDRAULICS, NO WINCH
- 360° MANUAL MAST ROTATION
- 600AH - 48V BATTERY BANK CAPACITY
- AUTOMATED SOLAR PANEL DEPLOYMENT - OPTIONAL



**LIGHT
YOUR
SITE
TONIGHT**

Light Capacity

320W - 4x 80W
160 Effective Lumens / Watt
51,200 Lumens

COST SAVINGS

SolarStar 320's zero fuel consumption helps lowering the environmental footprint.



NOW
AVAILABLE IN
**3 OR 4
PANELS**



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SolarStar 320 LIGHTING TOWER SPECIFICATIONS

LIGHTS

320W - 4x 80W High powered LED lights - 160 Effective Lumens / Watt

Total Light Output 51,200 Lumens

MAST SYSTEM

Mast Height 8.3 metres

Mast Operation 12V DC Linear Actuator
No Hydraulics - No winch cables

Mast Rotation 360° Manual Rotation

Lightbar Tilt 90°

3 PANELS	SOLAR PANELS	4 PANELS
960W	320W Sunpower Solar Panels Monocrystalline/N-type 6x 10 cells	1280W
Manual	Solar Panel deployment	Manual
MPPT-48V-30A	Solar Charge controller	MPPT-48V-30A

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: 15%
14-hour shift: 17.5%

3 PANELS	DIMENSIONS	4 PANELS
1810mm	Overall Width Stowed	2090mm
2458mm	Overall Length Stowed	2458mm
2470mm	Overall Height Stowed	2470mm
3280mm	Overall Width Deployed	4020mm
4160mm	Overall Length Deployed	4160mm
8410mm	Overall Height Deployed	8300mm
100km/h	Wind Load Certified	100 km/h
1660kg	Weight	1700kg

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 or 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
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	Wheel nut indicators
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	19° East - 19° West Sun tracking system

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.