

# SOLAR LIGHT TOWER

Clean • Silent • Fuel-Free Lighting Solution  
Reduce Lighting Operating Cost by Up to 80%

Designed for  
Mining • Construction  
Rental • Remote Projects

**SA9 Solar Light Tower**  
Reliable Off-Grid Lighting Solution

 100% Solar Powered

 Flexible Battery System

 High Efficiency LED Lighting

 Low Maintenance Design



# Ideal Applications

Solar light towers provide **independent lighting without fuel or grid power**, ideal for remote locations.



Mining Sites



Outdoor Events



Road Construction



Emergency Lighting



Infrastructure Projects



Oil & Gas Projects

## Wide Lighting Coverage

High-power LED floodlights provide uniform illumination for large working areas.  
Typical coverage:

Up to 5,000–8,000 m<sup>2</sup> lighting area

220° mast rotation

Adjustable lamp angles

Perfect for large job sites and construction areas.



# Advanced Solar Lighting Technology



## High-Efficiency Solar Panels

4 × 580W panels ensure reliable energy supply for night operation



## Flexible Battery Options

Gel battery (standard) or lithium battery (optional)



## High-Lumen LED Lighting

4 × 200W LED delivering up to 156,000 lumens



## Smart Control System

Automatic charging & discharging for safe operation



# Easy Setup & Technical Specs

## Quick Setup in 3 Steps

- 01 Tow the trailer to the job site
- 02 Deploy solar panels and extend mast
- 03 Switch on the lighting system

Ready to operate in minutes.

## Easy Transport

Compact trailer design for convenient transport, 7 units per 40HQ.

## Operating Cost Comparison

|             | Diesel Light Tower | Solar Light Tower |
|-------------|--------------------|-------------------|
| Fuel Cost   | \$4,000/year       | \$0               |
| Maintenance | \$1,200            | \$200             |

Annual Savings: Up to \$5,000/unit → 10 units = \$50,000/year

## Technical Specifications

|                                                  |                                         |                                      |
|--------------------------------------------------|-----------------------------------------|--------------------------------------|
| Model                                            | SA9-R800/2320-8                         | SA9-P800/2320                        |
| Luminaire                                        | 4*200 W LED (DC 48V with dimming)       |                                      |
| Luminous flux                                    | 156,000 Lumen                           |                                      |
| Solar panel system                               | 2,320 W- 4*580 W Mono                   |                                      |
| Solar System Sunshine Tilt                       | Manually 35°-42° adjustable with a jack |                                      |
| Battery (48V)                                    | 8*200Ah Gel battery                     | 2*150Ah Lithium battery              |
| Mast Height                                      | 8,150mm                                 |                                      |
| Controller (Day time)                            | 1*60 A MPPT controller(48V)             |                                      |
| Max. lighting hours with batteries fully charged | 12 hours@50% DOD, 24 hours@100% DOD.    | 15 hours@80% DOD, 19 hours@100% DOD. |
| Mast style                                       | 5 sections; 2,500 lb manual winch       |                                      |
| Mast rotation                                    | Manual 220° with self-lock              |                                      |
| Max. quantity for loading in 40' high cube       | 7                                       |                                      |
| Gross weight                                     | 1,590 kg (3,505 lb)                     | 1,258 kg (2,773 lb)                  |
| Trailer Type                                     | Road Towable                            |                                      |

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Lighting Where You Need  
Power When You Need