



## Solar Lighting Mast



Solar Lighting Mast is a mobile lighting source designed to be an environmentally sustainable solution without sacrificing performance. With zero CO2 emissions, it is one of the cleanest lighting solutions. The energy is harnessed by adjustable efficient solar panels coupled with an intelligent management system. The output is derived using cost effective and energy efficient led flood lights mounted on a mast which can be electrically raised & lowered.

These can be used at construction sites, infrastructure projects, airports, hospitals, rescue sites, playfields, schools, public functions and at any other site where illumination is required.

### Optionals

- Mast of 9 m height
- Different Capacity LED lights
- GPS Enabled remote management system

### Salient Features

- Auxiliary input socket for charging batteries when power from grid is available
- 3 x 550 W retractable solar panels to maintain a compact design & maximizing surface area.
- Multiple section 7m electrically operated mast with 340 degree rotation
- Triple Zero Advantage: Zero Emissions - Zero Noise - Zero Maintenance
- All year round reliable performance for consistent longer operational hours with limited charging

## Specifications

### General Details

Product	Ajashy Solar Lighting Mast
System	1.65Kilowatt Solar PV Modules with option of 4 x 100 Watt LED Lights/ 4 x 60 Watt LED Lights

### Solar Panels - Monocrystalline

Peak Power Pmax (WP)	550 x 3
Max Voltage Vmpp (V)	41.93
Max Current Imp (A)	13.12
Open Current Voltage Voc (V)	49.9
Module Efficiency (%)	21.29
Rated Module Voltage (V)	24
Warranty on Module (Years)	10
Performance Warranty	25 Years ( 90% Module efficiency after 10 years and 80% Module efficiency after 25 years)

### Battery

Type	Solar Lead Acid
Ratings	12 V 165 Ah
Qty	4 Nos.
Warranty	2 Years
Capacity	C10
Back Up	10 -12 Hours

### MPPT Charge Controller

Rating	24 V @ 40 A
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### LED

Wattage	100 W X 4   60 W X 4
Operating Voltage	24 V
Efficiency	120 Lumens/ Watt

### Mast

Type	MS Multiple sections with Interlock
Operation	24V DC Electrical
Extended Height	7 mtrs
Rotation	340°



### Warranty

All products are guaranteed against defects due to faulty workmanship or materials for twelve months from the date of purchase. This guarantee is limited to the repair or replacement of any parts found to be defective, and no other liability—expressed, implied, or contingent—is assumed.

### Disclaimer

These specifications are general guidelines for product selection and can be changed for your specific requirement. Specifications are provided for convenience of reference only and may vary upon manufacturing of individual product. Recommended for captive use only and not for sale of fuel. Any commercial use at owner's risk.



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