



Ramasis Energy[®]

Expertise Worldwide



*"Turnkey solution of the Portable Emergency
Mobile Lighting Tower with Solar System"*



Ramasis one of the largest manufacturers of Solar Mobile Lighting Tower Systems, our Solar Light Towers are ideal for Outdoor Night Operation or Work, especially where electricity is out of reach and mobile solar light tower generator provides light without noise and without an external power supply and reduces electricity cost. They are used around the world. It's all products under the brand name of "Ramasis", Turnkey customized solutions and system integration are our strengths, which are justified on the ground of technological "Expertise Worldwide".

The application is used for "Coal Mining, Open Mining, Military Operations, Ports and Shipyard, Oil and Gas Sites, Infrastructure / Roadwork, Base Camps, Outdoor Events and Commercial Construction, etc."

Key Advantages Portable Solar Tower Light: The advantages of solar lighting towers are numerous in terms of features, quality, and environmental impact. Our solar lighting towers provide you with

Key Specifications/Special Features:

- ▶ Bright energy-efficiency lights.
- ▶ No Fuel Cost.
- ▶ Reduced carbon emissions and pollution.
- ▶ Zero noise enables use close to residents.
- ▶ Lightweight, compact size, & easy for transportation.
- ▶ Luminaries can be rotated 360 deg to provide light in any direction.
- ▶ Eco Friendly.
- ▶ Telescoping mast height 4 to 12 meters height depending on the model.
- ▶ Automatic photocell-controlled on/off.
- ▶ Manual operating mode Silent operation.
- ▶ Fuel-efficient engines & Easy maintenance.
- ▶ Battery powered.
- ▶ Automatic solar charging.
- ▶ Adjustable-tilt solar panel array.
- ▶ User-friendly equipment.



Technical Specification of Portable Emergency Mobile Lighting Tower with Solar System:

Category Name	Item Description	Technical Specification	
General	Brand	RAMASIS	
	Rating of MLT	3.5 kW MLT	5 kW MLT
	Model No.	REL-SOLTOWLIT-203.5	REL-SOLTOWLIT-2005
Solar Pannel	Solar PV Module	Mono-Crystalline	Mono-Crystalline
	PV Module	545 watt	545 watt
	PV Module Cell	72	72
	No. of Solar Panel	6	9
	PV Module Capacity	3270 watt	4905 watt
Battery	Model	Solar C-10	
	No.of Battery	4	8
	Capacity	150AH	
	Voltage	DC12V	
Solar Inverter /CPU	Model	Luminous	
	No.of Battery	1	
	Capacity	3.5 kW	5 kW
	Voltage	DC48V	DC96
Tower Construction	Height of Telescopic Mast with a light source	4 to 12 Meter	
	Material of Telescopic Mast Construction	Mild steel/Galvanised Iron	
	Minimum thickness of Telescopic Mast	3 to 5 mm	
	Method of step up & step down of Mast	Winch Mechanism/ Manual/ Motorised	
	Step up & step down time of Telescopic Mast	< /=5 Minutes	
	No. of telescopic section	3 to 7 mm	
	Towing arrangement for trolley	Yes	
	Rotating facility for lighting tower	Rotating 360 degree	
	Structure material of trolley	MS Channel/Angle/Plates frame work	
	No. of wheels on the trolley (in Nos.)	2	
	Tyre of tyre	Pneumatic Tires	
	No. of riggers (stay jack).	4	
	The strength of the Telescopic Mast wind speed	80 to 105 Km/hrs.	
	Minimum System of Lumens	≥80000 ≥108000	
	IP rating of LED Luminaire	IP67	
	LED Luminaire conformity	IS: 16107 (Part 2/Sec 1):2012 Latest	
	Colour temperature (+/-500K)	6000K	
	Working life for LED	> /= 50,000 burning hours	
	Optic lens material (UV stabilised)	Polycarbonate lens	
	Operating temperature range	5 deg. C to 55 deg. C	
Weight of complete system	Weight of complete system in Kg	< /=1500 Kg	
Warranty	Warranty for complete system	1 Year	



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