

# MG POWER

## SOLAR LED STREET LIGHT SYSTEM



### **FEATURES OF LED STREET LIGHTING FIXTURE**

- High efficiency electronic circuitry
- Very low self-consumption
- 100% short circuit protection
- Surge/lighting protected
- Perfect design, Easy Installation
- PWM MOSFET based solar charge controller for efficient battery charging
- Automatic dawn dusk operation (with timer-optional)
- Automatic dawn dusk operation (dim light with timer-optional)
- Highly Economic and reliable
- Temperature Compensated Battery charging
- Approved by Ministry of New & Renewable Energy Sources, Govt. of India
- "Fit and Forget" device

### **KEY FEATURES**

- Excellent for remote villages
- Low maintenance
- One time installation
- High reliability and durability
- More intensity of light

#### TECHNICAL DATA

LUMINARY TYPE	LSSL009	LSSL0018
Output Light Intensity	8 -10Lux @ 4.5Mtr.	16-20 Lux @ 4.5Mtr.
Nominal Power	11W	22Watt
Efficiency	>76%	>78%
No of Led's	09LED	18LED
LED's Power	1.2Watt	1.2Watt
LED's make	Oshram Multichip	
SPV Modules	50Watt	100Watt
Max Module Current	3Amp	5Amp
Nominal Battery Voltage	12Vol	
Battery	40AH Tubular	80AH Tubular
Charging Method	CC-CV(boost)/ CV(Float)	
Display Indications	LED (Low Battery, Charging)	
Battery Connection	4 meter long 1.5 mm Sq copper wire with lugs provided	
Indication	Battery Charging, Battery Low, Battery Overcharge	
SPV Connection	2.5 meter 1.5 Sq mm two core copper wire fitted with Lugs	
Pole	15Ft (4.5meter)	
Installation	Pole / Wall Mounting	
Luminary Dimension	290 X 145 X 190mm	
Battery Box	MS Sheet box with non weatherproof power coating	
Luminary Degree of Protection	IP 65	
Cooling	Natural air cooled	
Ambient Temperature	-20°C to +50°C	



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