



Technical Specification : Stand Alone Solar Street Light

Luminary	6W LED Luminary	9W LED Luminary	12W LED Luminary
General Specification			
Application & Operation with High Efficiency	Solar Street Light with Dusk & Dawn automation ,Outdoor application with boost converter with constant current & constant Voltage ,high sensitive indication in battery low & battery over voltage,all protection required for load and battery side i.e. short circuit protection,Reverse polarity protection,No load protection.		
Solar Panel Watt (Max) & Charging Profile	Solar PV Module 100W ,Constant current & constant Voltage Charging,6A Max Current		
Recommended Solar Panel (as per MNRE)	40 Watt	50 Watt	60 Watt
Battery Type (Recommended size)	Tubular Lead Acid 40Ah		Tubular Lead Acid 60Ah
Dimmability	33% Dimming as per MNRE specification OR it can be changed as per customer requirement.		
Qty of LED Chips (Pcs)	9 - 1W	12 - 1W	15 - 1W
Operating Voltage & Current (approx.)	12V,500mA	12V,750mA	12V,1000mA
Lithium Battery Capacity (1Day - 1.5 Day)	Li-ion 11.1V/6.6AH	Li-ion 11.1V/8.8AH	Li-ion 11.1V/11AH
Recommended Solar Panel (with Lithium battery)	25Wp	40Wp	
Charge Controller Type	PWM		
Load & Charging Efficiency	>90%		
LED Lumens/Wp	120 - 130 Lumens /Wp		
LED Temperature	5500°K-6500°K		
Weight	ECO (1.2Kg)		
Dimensions	575 (L) x 465 (W) x 370 (H)		
Standard Packing	ECO (24pcs)		
NOTE:- For Lithium Battery Operation , Light will glow in full bright mode for first 4Hrs., After 4Hrs. Light will Dim to 33% power for rest Hrs.			