



Technical Specification : Stand Alone Solar Street Light

Luminary	6W LED Luminary	9W LED Luminary	12W LED Luminary	15W LED Luminary	18W LED Luminary	24W 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	75 Watt	100 Watt	120 Watt
Battery Type (Recommended size)	Tubular Lead Acid 40Ah		Tubular Lead Acid 60Ah		Tubular Lead Acid 75Ah	Tubular Lead Acid 75Ah/100Ah
Dimmability	33% Dimming as per MNRE specification OR it can be chnged as per customer requirement.					
Qty of LED Chips (Pcs)	9 - 1W	12 - 1W	15 - 1W	18- 1W	30 - 1W	30 - 1W
Operating Voltage & Current (approx.)	12V,500mA	12V,750mA	12V,1000mA	12V,1250mA	12V,1500mA	12V-2000mA
Lithium Battery Capacity (1Day - 1.5 Day)	Li-ion 11.1V/6.6AH	Li-ion 11.1V/8.8AH	Li-ion 11.1V/11AH	Li-ion 11.1V/15.4AH	Li-ion 11.1V/18.2AH	Li-ion 11.1V/26AH
Recommended Solar Panel (with Lithium battery)	25Wp	40Wp			50Wp	60Wp
Charge Controller Type	PWM					
Load & Charging Efficiency	>90%					
LED Lumens/Wp	120 - 130 Lumens /Wp					
LED Temperature	5500°K-6500°K					
Weight	Dolphin(1.4Kg)					
Dimensions	590 (L) x 410 (W) x 392 (H)					
Standard Packing	Dolphin(20pcs)					
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.						