



Technical Specification : Stand Alone Solar Street Light	
Luminary	60W 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 150W, Constant current & constant Voltage Charging, 10A Max Current
Recommended Solar Panel (as per MNRE)	325Watt
Battery Type (Recommended size)	Tubular Lead Acid 100Ah-150Ah
Dimmability	33% Dimming as per MNRE specification OR it can be changed as per customer requirement.
Qty of LED Chips (Pcs)	24 - 3W
Operating Voltage & Current (approx.)	12v,5000mA
Lithium Battery Capacity (1Day - 1.5 Day)	Li-ion 11.1V/59.8AH
Recommended Solar Panel (with Lithium battery)	150Wp
Charge Controller Type	MPPT
Load & Charging Efficiency	>90%
LED Lumens/Wp	160 - 165 Lumens /Wp
LED Temperature	5500°K-6500°K
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.	