



Technical Specification : Stand Alone Solar Street Light			
Luminary	40W LED Luminary	50W LED Luminary	60W LED Luminary
<b>General Specification</b>			
<b>Application &amp; Operation with High Efficiency</b>	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.		
<b>Solar Panel Watt (Max) &amp; Charging Profile</b>	Solar PV Module 150W, Constant current & constant Voltage Charging, 10A Max Current		
<b>Recommended Solar Panel (as per MNRE)</b>	225 Watt	300 Watt	325Watt
<b>Battery Type (Recommended size)</b>	Tubular Lead Acid 100Ah-150Ah		
<b>Dimmability</b>	33% Dimming as per MNRE specification OR it can be changed as per customer requirement.		
<b>Qty of LED Chips (Pcs)</b>	18 - 3W	24 - 3W	24 - 3W
<b>Operating Voltage &amp; Current (approx.)</b>	12v,3333mA	12v,4166mA	12v,5000mA
<b>Lithium Battery Capacity ( 1Day - 1.5 Day )</b>	Li-ion 11.1V/39.6AH	Li-ion 11.1V/49.4AH	Li-ion 11.1V/59.8AH
<b>Recommended Solar Panel (with Lithium battery)</b>	100Wp	150Wp	
<b>Charge Controller Type</b>	MPPT		
<b>Load &amp; Charging Efficiency</b>	>90%		
<b>LED Lumens/Wp</b>	160 - 165 Lumens /Wp		
<b>LED Temperature</b>	5500°K-6500°K		
<b>Weight</b>	Techno Big (2.3Kg)		
<b>Dimensions</b>	435 (L) x 405 (W) x 445 (H)		
<b>Standard Packing</b>	Techno Big (10pcs)		
<b>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.</b>			