

**SPECIFICATIONS FOR SOLAR STREET LIGHT SYSTEM
VISTAR ELECTRONICS PVT LTD.**

S/N	PARAMETER	SPECIFICATIONS
1	SOLAR PHOTOVOLTAIC MODULE	Crystalline Si to IEC 61215 12V 45WP @ STC for LED 12V 74WP @STC for CLF
2	CFL /LED LAMP	4Pin 11W CFL/ approx 9W LED
3	Light output	20 Lux center/15 Lux for LED Light 900 +/-5% Lumen for 11W
4	Light Housing	ABS-Plastic with transparent lens for wall/ceiling mount
5	Light duration	Dusk-Dawn-automatic-sensed by ambient Light intensity @Daily average Solar Insolation 5kwh/sq.mtr/d-with daily charging and shadow free Solar panel installation.
6	Battery	12 V 40Ah @ C-10 VRLA/Tubular-LED 12 V75Ah @C-10 VRLA/Tubular-CFL
7	Lamp Electronics	Single PCB charge controller cum Dusk-Dawn controller Individual Light Inverter PCB
8	Lamp electronics-Charger	Idle consumption <10mA Reverse blocking diode-Schottky-low forward drop <0.4V during Charge Positive charge Indication-Charge ON lights when Battery charge current is >= 0.25A Charge ON lights Temperature compensation for overcharge regulation: 2mV/degC/2V lead acid cell.
9	Lamp Electronics Inverter	High efficiency-Self excited-series parallel resonant mode with capacitive compensation-to drive a 4 pin CFL. High efficiency LED driver No damage to electronics when lamp is Open or When lamp is short circuited,
10	Protections	Battery overcharge regulation Battery Low cut off- and autos reconnect after a recharge. Reverse blocking protection for PV panel. Battery Disconnect warning
11	Indications	Charge ON Battery Lo, battery Disconnect warning.
12	Dimensions: Solar panel Luminaire assembly	Approx 750x550mm x 40mm Approx 150x75x210 mm
13	Weight: Solar Panel Luminaire-assembly	4.3/5.8kgs 1.8kgs- Weight of battery as per Model & Technology used.
14	Governing Specifications	Ministry of New &Renewable Energy 2013-14 Govt of India

*Specifications subject to change for dimensions and weights as per PV Module type-Battery Types.
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