

**SPECIFICATIONS FOR CFL 7W, SOLAR PV MODULE 12 V 10/12 WP,
BATTERY 12 V 7AH VRLA -SOLAR LANTERN
VISTAR ELECTRONICS PVT LTD**

S/N	PARAMETER	SPECIFICATIONS
1	SOLAR PHOTOVOLTAIC MODULE	Crystalline Si to IEC 61215 12V 10WP @ STC for yearly average solar Insolation 5kwh/sq.mtr/d 12V 12WP @STC for yearly average solar Insolation 4.5kwh/sq.mtr/d
2	CFL LAMP	4Pin 7W-
3	Light output	370+/-5% Lumen OMNIDIRECTIONAL
4	Lantern Housing	ABS-Plastic with transparent lens for Omni directional Light
5	Light Duration	3-4 hours/d with daily charging with average solar insolation of 4.5/5 kwh/sq.mtr/d as per Module capacity used. Panel Installed in shadow free area
6	Battery	12 V 7Ah @ C-20 VRLA
7	Lamp Electronics	Single PCB
8	Lamp electronics-Charger	Idle consumption <1mA 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. 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. ON-Off switch for Light.
11	Indications	Charge ON Battery Lo
12	Dimensions: Solar panel Lantern assembly	Approx 450x350mm x 40mm Approx 190 dia 350 MM HEIGHT
13	Weight: Solar Panel Lantern-assembly	2.3kgs 5.8kgs
14	Governing Specifications	MNRE 2013-14 Govt of India

*Specifications subject to change for dimensions as per PV Module type-
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