



## Solar CFL Home Lighting Systems

The Solar CFL Home Lighting System is designed to provide uninterrupted light by the use of Solar Energy in remote areas where power supply is not available during night time. It aims to provide light by means of CFL Luminary. The system provides 3 days of autonomy. Even additional feature such as Fan (D.C), Television (D.C.) can also be run by this system. As-per MNRE specifications daily usage cycle of 4 Hours only.

### Duration of Work

Model-C1 - 3-4 hours daily

Model-C2 - 3-4 hours daily

Model-C3 - 3-4 hours daily



### General Electrical Specifications

Max Charging current- 6A

Max. Load current- 6A

Load disconnect battery voltage-  $11 \pm 0.2$  volts or as required

Load reconnect battery voltage-  $12.5 \pm$  volts or as required

Constant Charging Voltage-  $14.5 \pm 0.2$  volts or as required

Idle current consumption- Less than 10ma

Light Output- 600 lumens (each 9W CFL) and 900 lumens (each 11W CFL)

### General Technical Specifications

Model	Luminary & Fan (D.C)	Battery	Solar Panel	Charge Controller	Accessories
NESHLC1	9W or 11W/12V-1No.	20Ah/12V- 1No.	18W/12V-1No.	6A-1No.	Solar module mounting frame, battery box, wire-14mtr etc.
NESHLC2	9W or 11W/12V-2Nos.	42Ah/12V- 1No.	37W/ 12V-1No.	6A-1No.	Solar module mounting frame, battery box, wire-14mtr etc.
NESHLC3	9W or 11W/12V-2Nos. Fan-18W/12V- 1No.	75Ah/12V- 1No.	74W/12V-1No.	10A-1No.	Solar module mounting frame, battery box, wire-14mtr etc.

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