



LITSUN™

Electrifying lives

in the rural world

Solar Home Light Systems



- ### Key Features
- Very high efficiency electronics
 - Overcharging and deep discharge Battery Protection
 - One Time Easy Installation-Plug and Use
 - High reliability and durability
 - Uses Leds for Low consumption/More intensity/Long Life



HOW DOES A HOME LIGHT WORK?

Solar Module(Panel) is used in the daytime to produce electricity from the sun energy and stored in the battery for usage in the night times.

The electricity stored in the battery can be used for the purpose of lighting whenever

Solar Home Lighting System is an economical solution to all your power problems and comes in an easy-to-install kit.

The life of the solar module is about 20 years,the battery life is about 3 years

TECHNICAL FEATURES

Advanced Battery Charge Controller

Bright White Leds (> 120 Lumens/Watt)

Constant Light Output

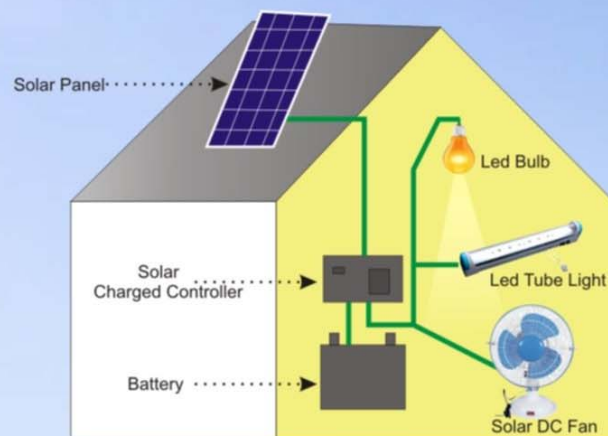
Led Driver Designed for 94% Efficiency

All type of protections

No blackening of Lights

Silent Operation

Temperature Compensation



SOLAR HOME LIGHTING SYSTEM KIT C o m p o n e n t s

Photovoltaic Modules (Solar Panels)

PV Module can vary in type, size, shape, block and color for providing power from the sun. They are typically made from silicon cell, glass, tedlar and aluminum.

Mounting System for PV modules

The mounting system for the PV modules includes the hardware to permanently affix the array to either a roof, a pole, or the ground.

Charge Controller

A charge controller is a device that regulates the amount of current the PV modules feed into the battery. Their main function is to prevent over-charging of the batteries, and Under-charging from the battery also from leaking backwards into the photovoltaic array.

Batteries

Batteries store the energy in renewable energy systems.

Wiring & Mounting devices

Solar Home Light System also has additional materials for mounting and connections. Metal frames are included to attach the PV Modules to a pole or roof. The system components are connected by wires and switches for the lights.

SOLAR HOME LIGHTING SYSTEM KIT



Solar Panel and Mounting Structures



Solar Charge Controllers



Rechargeable Batteries



Dc Luminaire



Solar Fan and Mobile Charger

Litsun Solar Led Based Home light System Models For 4 To 5 Hrs Backup Average Daily Use

Model Name	PV Module Capacity	Solar Charge Controller	Battery Capacity And Type	Lamp (6 Led/4Watt)	Lamp (9 Led/6 Watt)	DC Fan (12V/14 Watt)	Multi - Pin Mobile Charger	Total Load (Watt)
Model-1	12 Wp	12V/6 Amps	12V/7Ah Smf	1	0	0	1	4
Model-2	20 Wp	12V/6 Amps	12V/17Ah Smf	0	1	0	1	6
Model-3	30 Wp	12V/6 Amps	12V/26Ah Smf	2	0	0	1	8
Model-4	37 Wp	12V/6 Amps	12V/42Ah Smf	1	1	0	1	10
Model-5	37 Wp	12V/6 Amps	12V/42Ah Smf	0	2	0	1	12
Model-6	60 Wp	12V/6 Amps	12V/42Ah Smf	1	2	0	1	16
Model-7	37 Wp x 2 Nos	12V/10 Amps	12V/42Ah Smf	0	1	1	1	20
Model-8	37 Wp x 2 Nos	12V/10 Amps	12V/65Ah Smf	2	0	1	1	22
Model-9	40 Wp x 2 Nos	12V/10 Amps	12V/65Ah Smf	1	1	1	1	24
Model-10	40 Wp x 2 Nos	12V/10 Amps	12V/65Ah Smf	0	4	0	1	24
Model-11	40 Wp x 2 Nos	12V/10 Amps	12V/65Ah Smf	0	2	1	1	26
Model-12	50 Wp x 2 Nos	12V/15 Amps	12V/84Ah Smf	2	2	1	1	34

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