

Mini. Solar Home System, 8W

Basic system information:

- 8WP crystalline solar module to work for 25 years
- PV Controller : 5A, 12VDC
- Sealed lead-acid battery : 12AH/12Volt
- Pre-assumed Insolation level : 5KWH/D.M2
- Battery 100% full-charge : 3days

Main features:

- Daily output of electricity: 36WH
- LED display to show:
 1. Charging status of solar array
 2. Level of battery voltage
 3. Status of loading operation
- With temperature compensation
- Full protection against risks of:
Over-charging, over-discharging, over-loading, static switch surging
Short-circuit, over-heating, reverse connection and lightning
- Components including:
 1. Solar panel
 2. Battery
 3. PV controller
 4. 2x5W CFL bulbs & lamp-holders
 5. 20M Cable



System operation features and instructions:

- The system is based on average insolation value of 5KWH/day.M2.
- Average daily electricity consumption: no more than "Daily output of electricity"
- Under this condition (I=5), daily power supply is to run the 2 bulbs for 4hours per day
- When batteries are full, the system shall provide power for up-to-5 days in bad weather.
- When the system has been supplying power continuously for 5days without enough solar power re-charge, the system power supply may be automatically cut off to protect the battery from over-discharge. The system will resume to work when the batteries are re-charged to workable level
- Tips1: re-charge the battery for some hours prior to initial application
- Tips2: always try to keep the battery in high-level to prolong the life of the battery.
- Tips3: always keep the solar panel clean and free from dirt, dust, snow etc.
- Caution: The longer the battery stays in low-level condition, the shorter the battery is to serve.