

- Charge Controller
 1. Match the panel voltage and battery voltage
 2. Extract maximum power from the panel
 3. Prevent over-charge

- Battery - hold energy

Inverter - convert DC to 60Hz AC for compatibility with the power line voltage

Advantages of solar cell

It is clean and non-polluting.

It is a renewable energy.

Solar cells do not produce noise and they are totally silent.

They require very little maintenance.

They have long life time.

There are no fuel costs or fuel supply problems.

Disadvantages of solar cell

Solar cells (or) solar panels are very expensive.

They need large area of land to produce more efficient power supply.

Sun does not shine consistently (Night, cloudy day).

Less efficient (15 to 18%) and costly equipment.

Reliability Depends On Location

Preview from Notesale.co.uk
Page 3 of 3