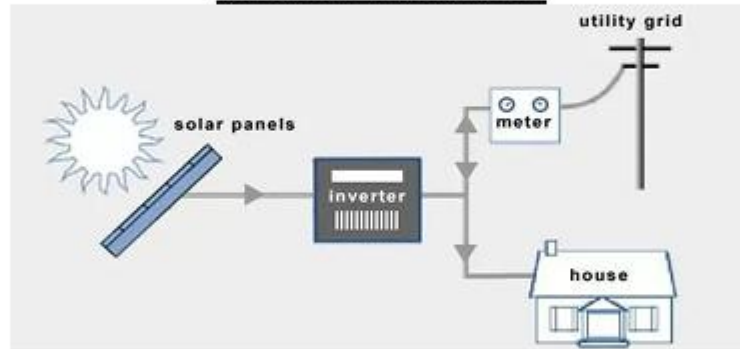
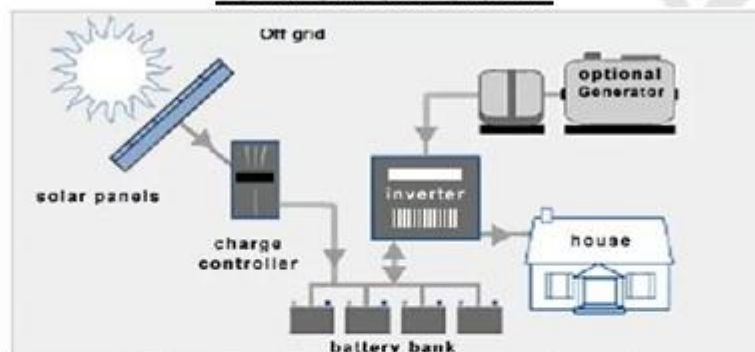


SOLAR ON-GRID SYSTEM



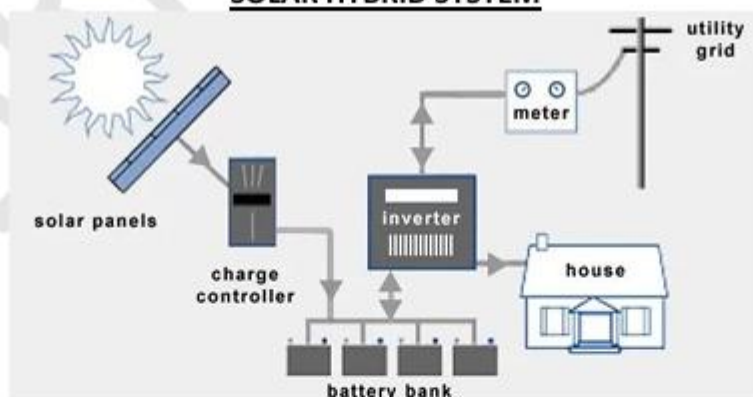
An on-grid solar system uses solar panels to convert sunlight into DC electricity, which an inverter then transforms into AC electricity to power your home. When you generate more power than you need, the surplus is sent to the electricity grid for credits via a bidirectional meter. During times when your solar panels are not producing enough power, such as at night or on cloudy days, you automatically draw electricity from the grid to meet your needs.

SOLAR OFF-GRID SYSTEM



An off-grid solar system generates electricity independently from the power grid by using solar panels to capture sunlight, a charge controller to manage the flow of power, a battery bank to store excess energy, and an inverter to convert the stored power into usable AC electricity for appliances. This system ensures a continuous power supply day and night by using stored energy when solar production is low.

SOLAR HYBRID SYSTEM



A hybrid solar system works by using solar panels to generate DC electricity, which an inverter converts to AC power for your home. The system stores excess solar energy in batteries and also connects to the utility grid for backup, providing reliable power day and night. During the day, solar power is used first; any surplus charges batteries or is sent to the grid via net metering. At night or when solar power is low, the system automatically draws from the charged batteries or the grid to ensure uninterrupted electricity supply.