

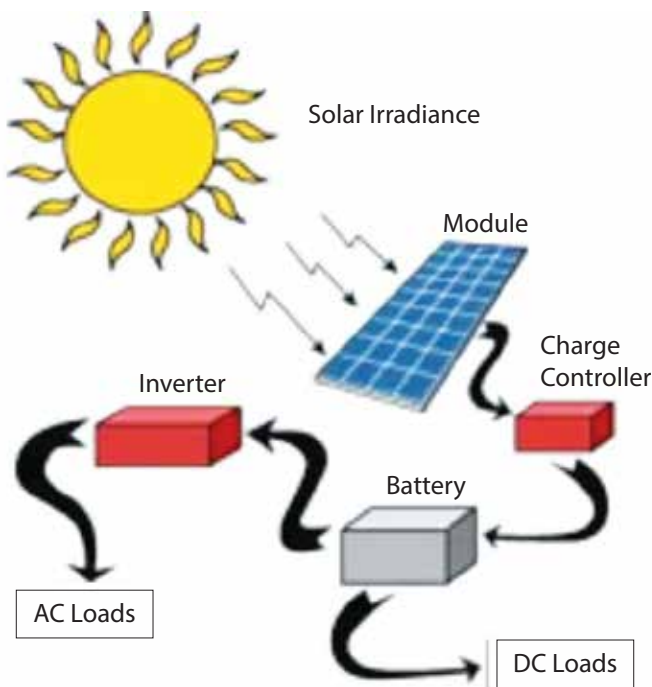


# STAND-ALONE SOLAR POWER SYSTEMS

In remote area where electricity grid is NOT Available and one need to generate own electricity station, the solar electrification system that should be selected is "Stand-alone solar energy system". The decision for using this system is the right choice for long-term investment and environmental friendly as well.

## WITHOUT BATTERY BACKUP

Since there is no battery to store electrical energy, energy is used immediately. Common applications are direct power to DC loads, water pumping and tele-communications. With an inverter it can also power AC loads. This system only works when it's sunny.



## WITH BATTERY BACKUP

A Stand-Alone System with Battery Backup can supply power 100% of the time including at night, on cloudy days and when the utility power is down. This system is an ideal choice for remote applications, where utility grid is inaccessible i.e cabins, boats, RVs and for emergency backup systems.

If your house is connected to the reliable electricity grid, we do not recommend you to select "Stand-alone solar energy system" because it is not suitable investment.

# QUALITY BENEFITS

- » It's extremely powerful and yet very simple to use.
- » A complete stand-alone power supply where grid power cannot be reached.
- » Comparing this system with a Diesel / Gas Generator, this system is more costly initially but significantly more economical to operate since they do not have any operating expenses.
- » Suitable for camping, outdoor activities, construction work, or living in remote areas, it can provide instant power supply to your electronic devices or appliances.
- » It can also provide emergency power supply when the grid power temporary fails.



## FOR OFF-GRID SITES, 12 AND 24VOLT DC SYSTEMS ARE THE IDEAL POWER SOLUTION FOR ANY NUMBER OF APPLICATIONS, INCLUDING

- ✓ Rural Habitation
- ✓ Tower Beacons
- ✓ SCADA Systems
- ✓ Telecom Equipment
- ✓ Security Systems
- ✓ Railway Signaling
- ✓ CP Systems
- ✓ DC Lighting Systems
- ✓ Wireless Data
- ✓ UHF/VHF Radio Links
- ✓ Pipeline Controls
- ✓ Navigational Aids
- ✓ Street Light System
- ✓ RTU



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