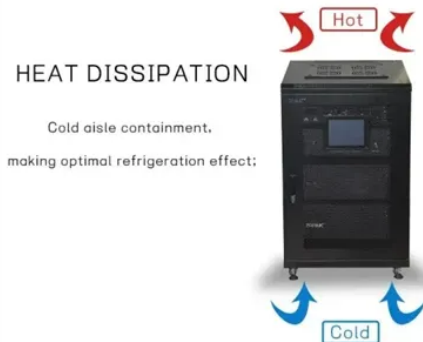


# Solar panel power generation and energy storage block



## Overview

The main part of a solar electric system is the solar panel. There are various types of solar panel available in the market. Solar panels are also known as photovoltaic solar panels. Solar panel or solar module is basically an array of series and parallel connected solar cells. The potential. In a grid-tie solar system, solar modules connect directly to an inverter, not to the load. Solar power varies with sunlight intensity, so panels. This is not desirable to overcharge and under discharge a lead acid battery. Both overcharging and under discharging can badly damage the battery system. To avoid these both. Solar panels produce DC electricity, while the grid supplies AC electricity. To use both sources for common equipment, an inverter is needed to convert the solar system's DC to the same AC level as the grid. In off grid system the inverter is directly connected.

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