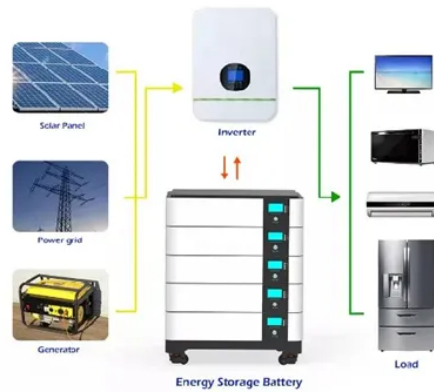


Grid-connected and off-grid solar systems



Overview

Grid-tied systems are solar panel installations that are connected to the utility power grid. With a grid-connected system, a home can use the solar energy produced by its solar panels and electricity that comes from the utility grid. If the solar panels generate more electricity than a home. An off-grid solar system is a solar panel system that has no connection to the utility grid at all. To keep a house running off-grid, you need solar panels, a significant amount of battery. Hybrid solar systems combine the best of grid-tied and off-grid solar systems; the solar panels are attached to batteries and the utility grid. You'll commonly see hybrid solar systems referred to as "solar-plus-storage" systems. Solar-plus-storage systems are popular. A simple grid-tied system will usually be the best financial choice. Grid-tied systems generally provide the best return on investment because of their low upfront cost and simple system design. However, there are some cases where a hybrid system may make.



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