



WALMER ENERGY

Off-grid solar system





Overview

What is an off-grid Solar System?

Off-grid systems: Off-grid systems rely solely on the solar energy they produce and store without any grid connection. They're ideal for areas where connecting to the grid is either impractical or too expensive and are also favoured by those prioritising energy independence.

How does an off grid solar system work?

In an off grid solar system, the load is met by the available power in the battery bank via inverter (in case of AC loads) or a DC-DC converter in case of DC loads. The inverter/converter selected is to be based on its capacity to handle both input & output current & voltage.

What is the difference between on-grid & off-grid solar?

When deciding between the two, it's important to understand the difference. An on-grid system is one in which the solar power system is connected to the utility's power grid. On the other hand, an off-grid system operates independently and the consumer is not connected to the utility's power system.



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