



Off grid solar systems residential

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The combiner box combines the DC electricity from multiple strings of solar panels and houses the DC circuit breakers for each string of solar panels to enable individual circuit disconnection in the event of maintenance or an overcurrent condition and a surge protection device to protect against electrical spikes.

The AC distribution panel divides the AC electricity from the solar inverter charger, the grid and/or the generator and houses the AC circuit breakers for each branch circuit to enable individual circuit disconnection in the event of maintenance or an overcurrent condition.

The DC Home app enables the configuration, monitoring, and diagnosis of the solar inverter charger and the smart lithium iron phosphate battery through the Bluetooth connection.

The DC circuit breaker box houses the DC circuit breakers for the solar inverter charger and the smart lithium iron phosphate batteries to enable circuit disconnection in the event of maintenance or an overcurrent condition, a ground fault circuit interrupter to break the circuit in the event of a ground fault, and a surge protection device to protect against electrical spikes.

The solar inverter charger manages the DC electricity delivered to the smart lithium iron phosphate batteries from the solar panels, converts the AC electricity from the grid or a generator into DC electricity to charge the smart lithium iron phosphate batteries, and converts the DC electricity from the smart lithium iron phosphate batteries into AC electricity to power home appliances.

The BT-2 Bluetooth module is a Bluetooth transceiver to pair the solar inverter charger and the smart lithium iron phosphate batteries with the DC Home app for remote monitoring and parameter changes.

The communication hub is a multiprotocol RJ45 combiner to combine the communication connections from the solar inverter charger and the smart lithium iron phosphate batteries.



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