



## Micro inverter solar system with battery backup

Hi, I have an existing AC-coupled off-grid system, using an SMA SI5048 inverter/charger, and SB5000 with 5kW of Solar. I'm currently building a battery-electric locomotive for a miniature railway (another hobby...), and would love to ...

Yes you can easily add batteries with micro inverters such as Enphase! You simply use a technique called "AC Coupling" where the batteries are connected directly into the 240V AC in the switchboard using an AC Battery inverter.

The Enphase Ensemble inverter and battery technology works in any solar application (grid-tie, off-grid or battery backup systems). Plus, it can automatically detect connection to the grid and switch between on-grid and off-grid ...



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