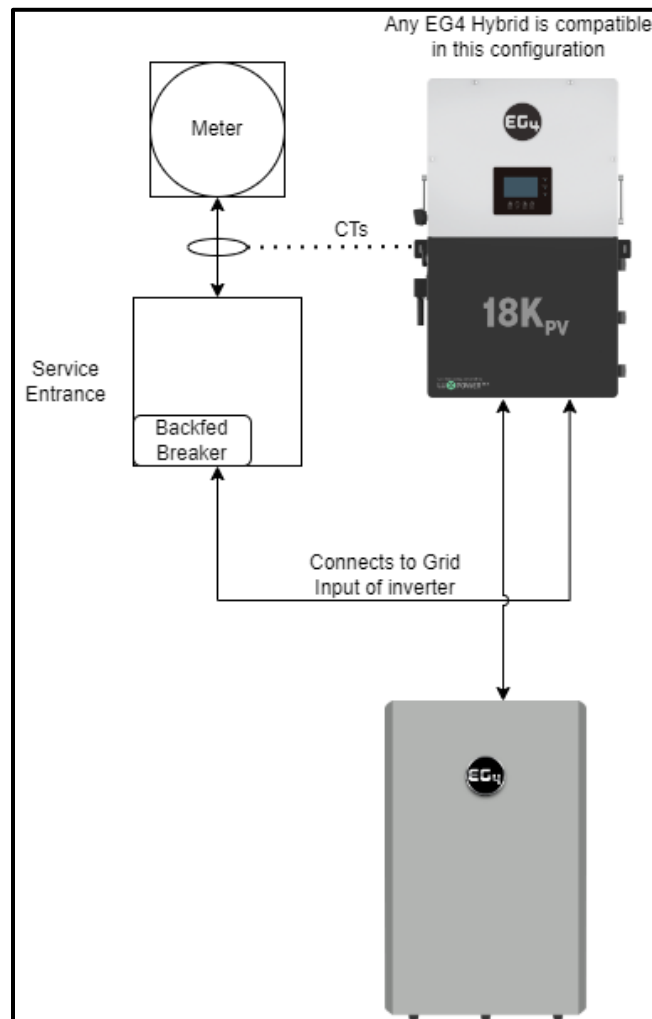


EG4® HYBRID INVERTERS

BACKFED BREAKERS

One of the more common installation types that you can utilize with the 18kPV is Whole Home Backup utilizing a backfed breaker. This makes use of the inverters Grid input to feed power back to your main service panel, where your home can make use of that power, and whatever is left gets exported to the grid. The load terminals are not utilized in this configuration.

In this configuration, it is necessary to make sure that your CTs are in the correct place. This allows us to accurately measure the amount of power that is being exported, and what is being dedicated to powering loads. The diagram below will give an example of how the CTs should be connected and how the inverter will connect to the main service panel.



In a backfed breaker configuration, it is important to note that you will not be able to provide power to your home in the event of a grid outage unless you are making use of a critical load panel or back up panel that utilizes the smart load function, or the load terminals of the inverter. This is because the inverter uses the export function to provide power to a backfed breaker and the inverter will not back feed when the grid is not present.



NOTE:

In compliance with UL standards, our hybrid inverters will not export during a grid outage. More can be read on the subject in our [Manufacturer's Anti-Islanding Method TSB](#) or scan the QR code.

