

BMV 700 Quick Guide: The BMV 700 monitors the voltage, current, ampere-hours consumed, state of charge, time to go, and power consumption of the battery bank.

How it works:

The Shunt collects current and voltage readings from the battery bank. The BMV 700 reads, accumulates, and displays the data from the Shunt.

Connection Explanation:

The Shunt is connected to the BMV 700 through a RJ12 phone cable. The Shunt is connected in series between the Battery Bank and the Inverter/Charger/Loads. This configuration allows the BMV 700 to see the current flowing through the system. The small orange plug, located on the Shunt, is connected to the positive terminal of the Battery Bank. This configuration allows the BMV 700 to see the voltage of the battery bank.

The Battery Bank Negative Terminal is NOT CONNECTED to Ground. The Inverter/Charger Negative Terminal is connected to Ground. If BOTH the Battery Bank Negative Terminal and the Inverter/Charger Negative Terminal are Grounded, the current will bypass the Shunt Resistor and the BMV 700 will not collect data. A connection diagram is illustrated below:

