BATTERYPLUS35-US

BATTERYPLUS35-US OVERVIEW

WHAT IS THE BATTERYPLUS35-US?

The BatteryPlus35-US is a battery management system designed by BMPRO specifically for use in recreational vehicles.

The BP35-US operates from a 100 to 240V AC mains power supply to provide a 35A power supply for 12V loads, 30A solar MPPT regulation as well as battery protection features, to simultaneously power RV loads while charging the battery.

The BP35-US comes in two variants: the BatteryPlus35-US-SR and BatteryPlus35-US-HA.

BP35-US-SR features 20A multi-stage AC charging and is only compatible with lead-acid batteries (which includes VRLA, AGM and Gel chemistries).

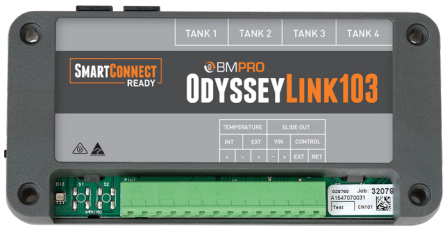
BP35-US-HA features 30A multi-stage AC charging and is compatible with both lead-acid batteries (which includes VRLA, AGM and Gel chemistries) and lithium LiFePO4 batteries.

WHAT IS THE BATTERYPLUS35-US DESIGNED TO WORK WITH?

Odyssey

The Odyssey system uses the BatteryPlus35-US to remotely display battery information and control RV features.

The **OdysseyLink** connects to the BatteryPlus35-US and transmits information to either the **OdysseyControl** wall-mounted tablet or a customer's smartphone using the **Oddysey App** to display battery information and control RV features.



MiniBoost

The **MiniBoost** and **MiniBoostPRO** are DC-DC chargers manufactured by BMPRO designed to provide an increased DC-DC charge boost to RV applications.

BC300 + CommLink

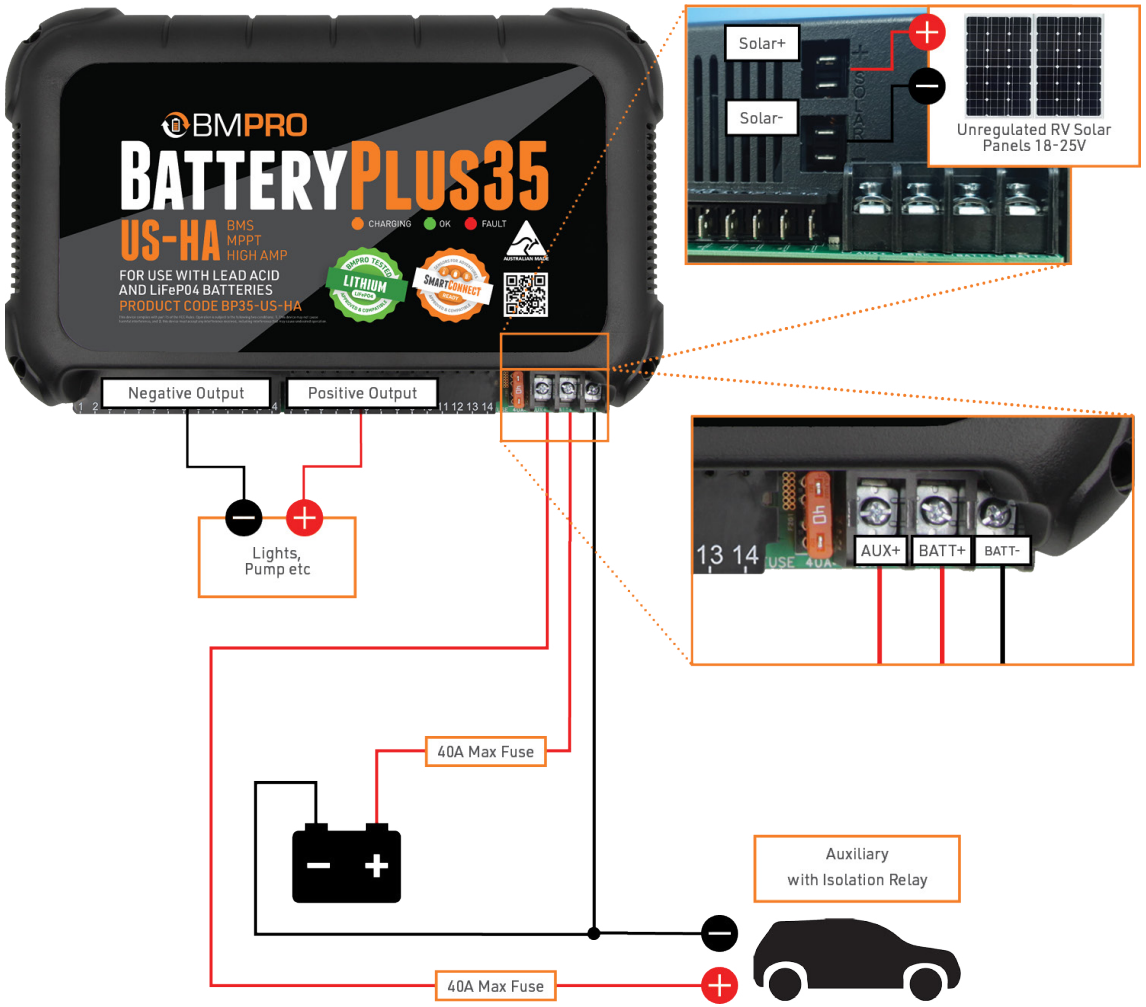
The **BC300 + CommLink** is an external shunt used to integrate additional accessories with high current loads, such as inverters, into the BatteryPlus35-US system. This will allow accessories such as Odyssey, RVView2 or Trek3 to monitor the correct charge input to display accurate information.

Battery Monitors

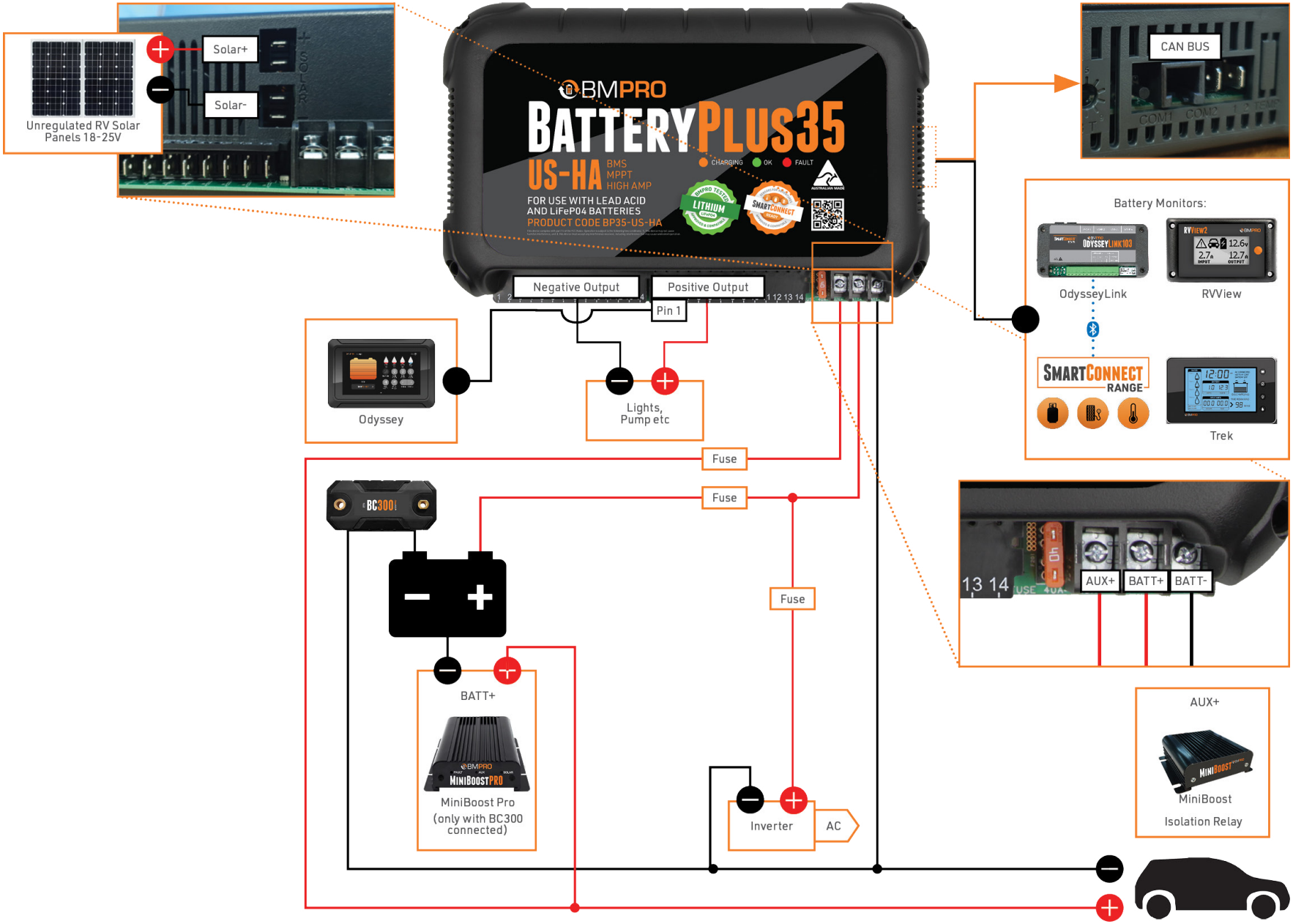
If a customer has their BatteryPlus35-US connected to an OdysseyLink, they can use the **RVView2** or **Trek3** battery monitors instead of the OdysseyControl. These monitors display battery information on an LED screen without the use of an app.

This is a cheaper alternative for customers who want a wall-mounted battery monitor but do not want the OdysseyControl wall-mounted tablet.

BATTERYPLUS35-US DIAGRAM



BATTERYPLUS35-US DIAGRAM WITH OPTIONAL BMPRO PRODUCTS



BATTERYPLUS35-US FAQS

I've fitted a battery to the BatteryPlus35-US, but it's not detected by my BMPRO battery monitor?

Check the following:

1. The battery connections are tight and not loose or corroded.
2. The battery polarity, red lead-positive, black lead-negative.
3. The dealership fitted in-line fuse with the RV battery is fitted and not blown. The correct value is 40A.

None of my loads appear to be powered but I can still use my battery monitor?

All loads will power down, but the battery monitor will still be in use if the BatteryPlus35-US was put into ECO Mode. The BatteryPlus35-US will be put into ECO Mode if:

1. The user pressed the Battery icon on their battery monitor.
   Check to see that the Battery icon on you monitor has been pressed on, which turns power off to the RV loads.
2. The BatteryPlus35-US has entered ECO Mode and to conserve remaining battery charge will disable power to RV loads.
   Connect the BatteryPlus35-US to a power source and begin battery charging.

None of my loads appear to be powered and the screen on my battery monitor has turned off?

All loads, including any battery monitor in use with the BatteryPlus35-US will power down if the BatteryPlus35-US was put into Storage Mode.

For more information about Storage Mode, refer to the BatteryPlus35-US Owner's Manual.

My solar output appears lower than expected?

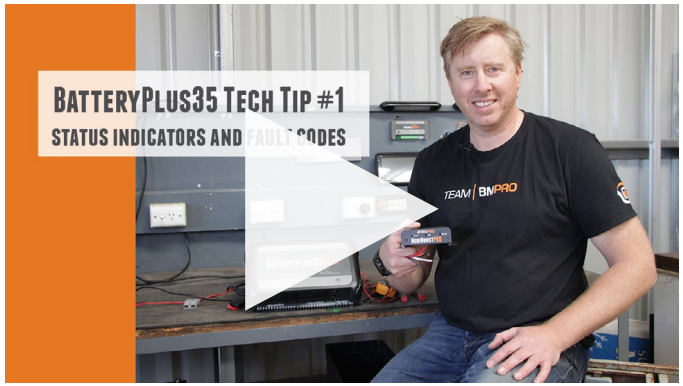
If the battery is close to fully charged, the BatteryPlus35-US will periodically turn off solar to protect the batteries from overcharging. As a result, you may see less output on your solar display.

For more information and tips, refer to the BatteryPlus35-US Owner's Manual.

BATTERYPLUS35 VIDEOS

BatteryPlus35-II overview what's new in the BMPRO Power Management System

Overview of BatteryPlus35, battery and power management system for RVs



BatteryPlus35 Tech Tips Playlist