

# BATTERYPLUS35-II-HA OVERVIEW

BMPRO's BatteryPlus35-II-HA is a battery management system designed specifically for use in recreational vehicles.

The BatteryPlus35-II operates from 110 to 240V AC mains power supply, towing vehicle auxiliary and solar panels to provide 35A of current to simultaneously power caravan loads and charge the caravan battery.

The BatteryPlus35-II is available in a range of models to suit any RV and battery management need.



## KEY FEATURES

- ▶ 35A output current
- ▶ 30A multistage battery charging
- ▶ Lithium LiFePO4 compatibility
- ▶ 30A MPPT solar regulator
- ▶ Distribution board with 12 10A DC outputs and 2 15A DC outputs
- ▶ In-built battery management system
- ▶ Electronic resettable fuses
- ▶ Support for BMPRO accessories
- ▶ Solar and auxiliary blending
- ▶ Auxiliary DC input
- ▶ Automatic low voltage disconnect
- ▶ BMPRO signature durability & ease of use
- ▶ 2 year warranty

## OPTIONAL ADD-ONS

To get the most of your BatteryPlus35-II it may be used with the following products (sold separately) from the BMPRO range:

### BC300 + CommLink

External Shunt for integration of additional accessories and high current loads such as inverters.

### RVView2 Battery Monitor

To monitor battery parameters and charge sources.

### Trek3 Battery Monitor

To gain greater insights into battery usage, the ability to monitor water tank levels and control water pumps.

### Odyssey + OdysseyLink

To monitor battery usage and caravan features (tanks and temperature) and control caravan loads from an in-built monitor.

### MiniBoost

DC-to-DC charge-booster for RV applications.

## BATTERYPLUS35-II-HA SPECIFICATIONS

Battery Chemistry	Lead-acid, LiFePO4
Input Voltage Range	110-240V AC $\pm 10\%$ , 50-60Hz
Input Surge	<40A (cold start)
Output Current	35A (Load + Battery Current)
Factory Set Voltage	13.65V (Float Voltage)
Output Ripple Voltage	<150mV
Battery Current Limit	Max. 30A
Low Voltage Disconnect	<b>Lead-acid:</b> 10.8V $\pm 0.2V$ <b>LiFePO4:</b> 12.0V $\pm 0.2V$
Battery Connect After Low Voltage Disconnect	<b>Lead-acid:</b> 12.8V $\pm 0.2V$ <b>LiFePO4:</b> 13.8V $\pm 0.2V$
Battery Drain	<15mA (when in Storage Mode)
AC/DC Efficiency	>83%
Cooling Fan	Digitally Controlled
Maximum Solar Input	800W
Solar Output Current	30A (nominal)
Solar Start Voltage	17.5V
Solar Input Voltage (after start-up)	15-25V
Ambient Temperature	0-50 °C
Communications	CAN Bus
Dimensions	327mm x 207mm x 82mm
Weight	2kg

## QR CODES



Manual



Install Guide



Product Page



Testing a  
BP35



Bypassing a  
BP35



FAQs

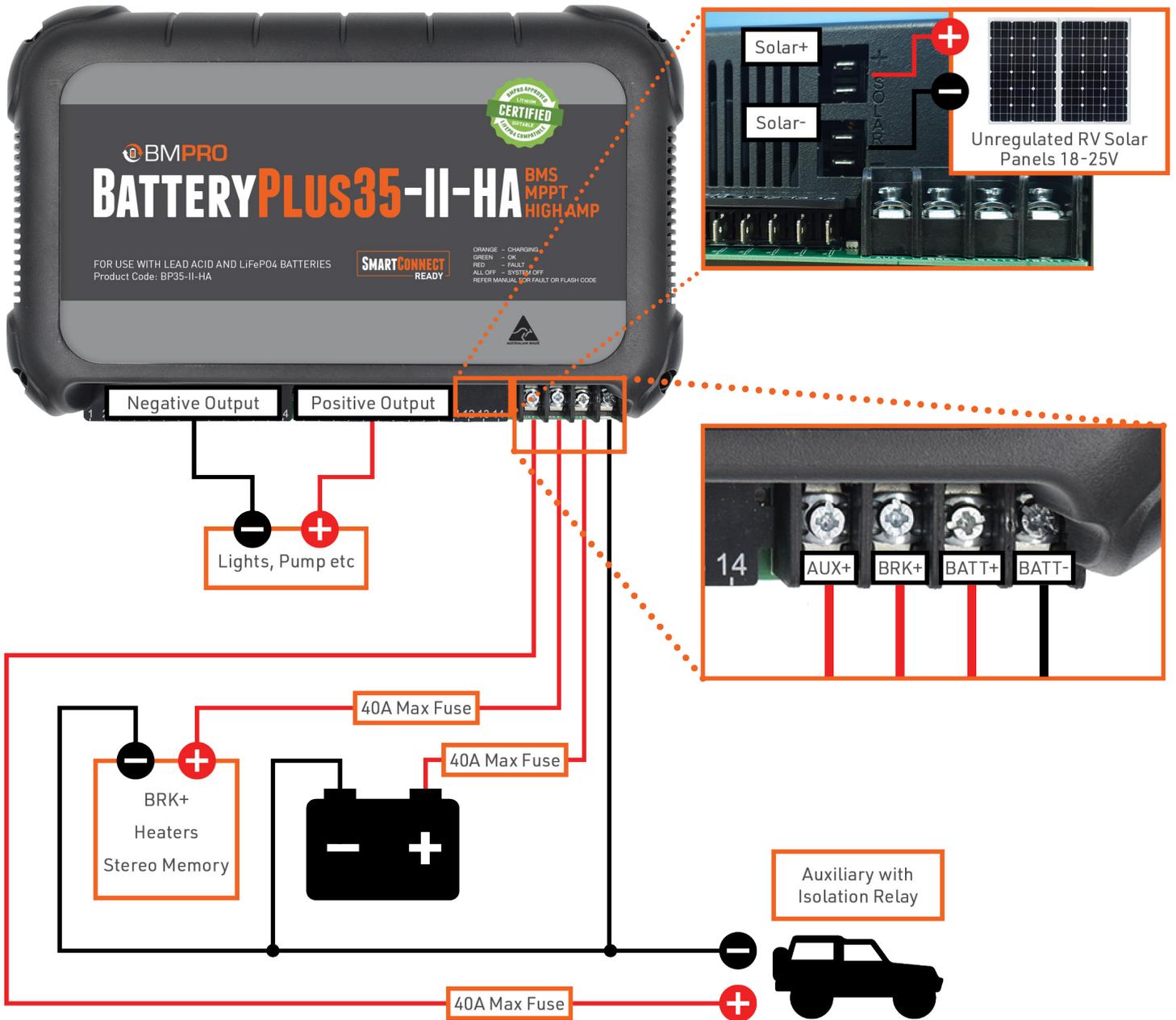


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WIRING DIAGRAM



WIRING DIAGRAM WITH OPTIONAL BMPRO PRODUCTS

