



BATTERYPLUS35-II

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

The BatteryPlus35-II operates from 100-240V AC mains power supply, towing vehicle auxiliary and solar panel 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 needs.



NEW FEATURES

- High side current sensing (positive).
- All negative returns are common. Can earth battery to chassis.
- LED output indicators reduced to one.
- RESET switch.
- Improved battery terminals (45 - amp rated).
- 40-amp (peak) battery output.
- More robust circuitry.
- Updated over-voltage protection.
- Load shedding above 40-amp as over current protection.

SMARTCONNECT READY



FEATURE	BP35-II-SI	BP35-II-SR	BP35-II-HA
In-built Solar	20A - PWM	30A - MPPT	30A - MPPT
Solar Connection	Direct to BatteryPlus35-II		
Lithium (LiFePO4) Charging	No	No	Yes
Maximum AC Charging Current	20A	20A	30A

COMPATIBLE WITH BM PRO ODYSSEY, TREK, ODYSSEYLINK AND SMARTCONNECT RANGE.



1. MAINS CABLE

The BatteryPlus35-II is pre-cabled with a permanent mains power supply cord for use with 240V or 110V input power.

2. LOAD TERMINAL BLOCK - COMMON NEGATIVE CONNECTION

Negative wire connection return point for the caravan's 12V loads.

3. LOAD OUTPUTS - 15A X 2 POSITIVE CONNECTIONS

Used for connecting the positive wire of the 12 V loads, outputs 1 & 2

4. LOAD OUTPUTS - 10A X 12 POSITIVE CONNECTIONS

Used for connecting the positive wire of the 12 V loads, outputs 3 - 14

5. AUX+

Connection point for external DC input positive.

6. BATT+

Connection point for battery positive and negative terminal. Attach fuse to Batt+ wiring

7. BATT-

8. NOT USED

9. RESET (MASTER RESET BUTTON)

Press the Master Reset Button if any part of the system is unresponsive or not operating correctly during or after installation

10. CAN BUS COMMUNICATION CONNECTOR

To connect to and power BM PRO accessories (BC300 + CommLink External Shunt or OdysseyLink) or monitors (RVView or Trek).

11. REMOTE SWITCH TERMINAL BLOCK (RSW)

Terminal block for connecting an optional remote switch. This switch is used to disconnect the loads from all power

12. MOUNTING HOLE (X4)

13. LOAD OUTPUT STATUS INDICATORS

14. SOLAR PANEL CONNECTION

This connection is for the solar panel input

15. +BRK BATTERY OUTPUT (40A RATED)

This output is an uncontrolled 15th output with a maximum current rating of 40 A. This is specifically designed for loads which do not need to be isolated or have a current rating of higher than the inbuilt circuit protection of the individual outputs and have a current rating less than 40 A. This may include but not limited to:

- BM PRO SwayControl
- BM PRO Trailsafe (+)
- Heaters
- Stereo memory

16. SYSTEM STATUS INDICATOR

Indicates the operational status of the BatteryPlus35-II

