

J35B-L OVERVIEW

BMPRO's J35B-L is a battery management system designed for use in Jayco caravans.

The J35B-L operates from 240V AC mains power supply, towing vehicle auxiliary and solar panels to simultaneously power caravan loads and charge the caravan battery.

The J35B-L employs an intelligent charging algorithm, ensuring optimal battery health.

The J35 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
- 20A solar input
- Distribution board with one 5A output, ten 10A DC outputs and three 15A DC outputs
- In-built battery management system
- Electronic auto-recoverable fuses
- Support for BMPRO accessories
- Solar and auxiliary blending
- Auxiliary DC input
- Automatic low voltage disconnect
- Acts as power supply if no battery connected
- BMPRO signature durability & ease of use
- 2 year warranty

OPTIONAL ADD-ONS

To get the most of your J35B-L 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.

JControl Battery Monitor

To monitor battery parameters and charge sources.

JHub + ControlNode

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

MiniBoost and MiniBoostPRO

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



J35B-L SPECIFICATIONS

Battery Chemistry	Lead-acid, LiFePO4
Input Voltage Range	240VAC \pm 10% (nominal), 50-60Hz
Input Surge	<40A (cold start)
Output Current	35A (Load + Battery Current)
Factory Set Voltage	13.65V \pm 0.1V (Float Voltage)
Output Ripple Voltage	<150mV
Overvoltage Protection	>18V
Overcurrent Protection	35-38A (Load + Battery Current)
Battery Current Limit	30A
Low Voltage Disconnect	Lead-acid: 10.5V \pm 0.2V LiFePO4: 11.5 \pm 0.2V
Battery Drain	<8mA (when in Storage Mode)
AC/DC Efficiency	>83%
Cooling Fan	Thermally Controlled
Solar Input Current	<20A
Solar Input Voltage	15-25V
Ambient Temperature	0-50°C
Communication	CAN Bus
Dimensions	307mm x 206mm x 68mm
Weight	2kg

QR CODES



Manual



Install Guide



Product Page



FAQs



YouTube



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