

# MINIBOOST TRAINING GUIDE

BMPRO's MiniBoost is a compact DC-DC battery charger that allows you to charge a secondary battery using your towing vehicle's 12V electrical system.

The MiniBoost is designed to work with BMPRO's BatteryPlus35, J35 and ASPERO systems.

The MiniBoost is designed to work with modern smart alternators. If a smart alternator lowers the voltage, the MiniBoost will use a multistage charging algorithm to boost the voltage back up. This will ensure a battery is fully charged at the end of a long drive.

It is designed to charge all types of lead-acid batteries.

When used in conjunction with a lithium-compatible BatteryPlus35, J35 or ASPERO battery management system, the MiniBoost is able to charge LiFePO4 lithium batteries.



## KEY FEATURES

- 20A multi-stage DC-DC charger
- Simple to install
- Suitable for modern smart alternators
- BMPRO BP35, J35 and ASPERO compatible
- BMPRO signature durability & ease of use
- 2 year warranty

## MINIBOOST SPECIFICATIONS

Input Voltage Range	10V to 15V
Output Current	<b>Boost Mode:</b> 20A <b>Bypass Mode:</b> 30A
Output Voltage	<b>Boost Mode:</b> 14.4V <b>Bypass Mode:</b> <1V less than input voltage
Output Ripple Voltage	<150mV
Output Current Protection	<b>Boost Mode:</b> 21A (electronic) <b>Bypass Mode:</b> 31A (fuse)
Start Voltage	12.2V to 12.9V
Disconnect Voltage	9.1V to 10.5V
Battery Drain (tow vehicle disconnected)	<20mA
Efficiency	>80%
Ambient	0°C to 50°C
Weight	0.8kg

## QR CODES



Manual



Product Page



Frequently Asked Questions

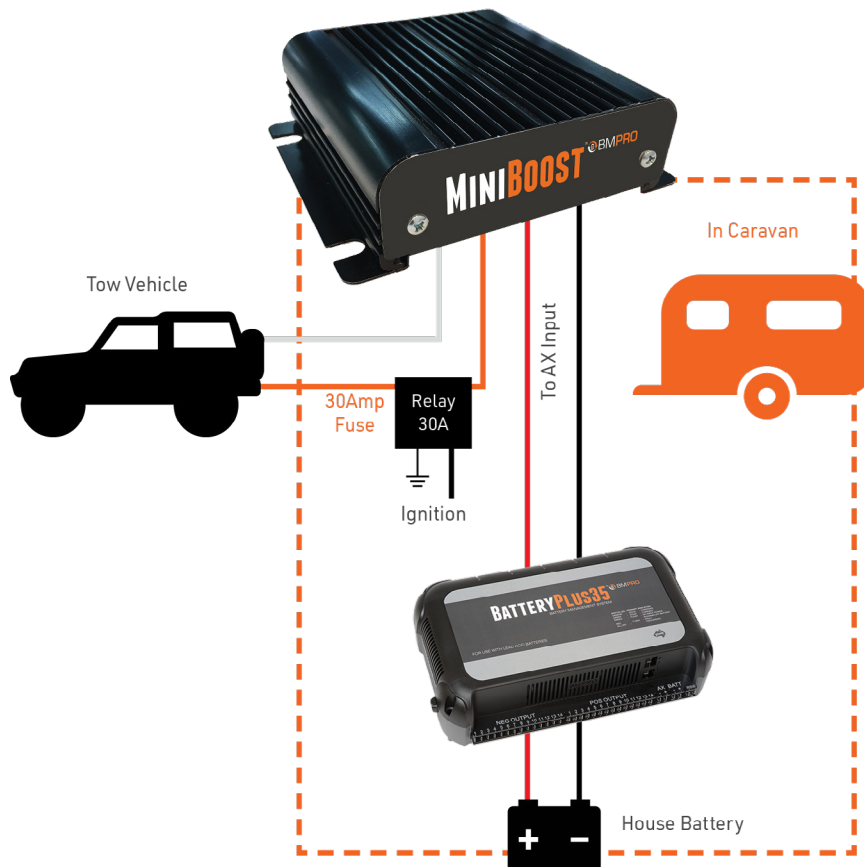


Datasheet



YouTube Channel

## WIRING DIAGRAM WITH BATTERYPLUS35



## WIRING DIAGRAM WITH J35

