BC300 + CommLink Overview

BMPRO's BC300 External Shunt and CommLink provides wireless battery monitoring for high current BatteryPlus35-II and J35 systems.

Connecting a BC300 External Shunt and CommLink to the BatteryPlus35-II or J35 allows high current loads to be directly connected to the battery via the BC300. This enhances system behavior with temperature monitoring of the battery for greater protection. It maintains Time Remaining and State of Charge determination of the battery, even at high currents and with directly connected loads.

The BC300 monitors battery properties such as voltage, charging/discharging current, energy usage and temperature. The CommLink provides wireless reception of the battery data transmitted by the BC300 External Shunt and forwards it to the CAN communication bus for reception by a BatteryPlus35-II or J35. The CAN communication bus can also be used to connect to a BMPRO battery monitor.

KEY FEATURES

- Wireless battery monitoring for high current BatteryPlus35-II and J35 systems
- Monitors voltage, charging current, discharging current, energy usage and temperature
- Easy installation
- Easy pairing between BC300 and CommLink
- Can connec to BMPRO battery monitors
- BMPRO signature durability & ease of use
- 2 year warranty

QR CODES

Manual

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Datasheet

YouTube

BATTERY MONITORING SPECIFICATIONS

Voltage Range	8V to 16V
Voltage Resolution	<20mV
Current Resolution	<200mA
Current Range	240A continuous
Overload Protection (100ms without damage)	±800A
Temperature Range (Battery Terminal)	-20 to 70°C
Temperature Resolution	3°C
Capacity Range	7 to 800Ah

BC300 SPECIFICATIONS

Input Voltage	8V to 16V
Quiescent Current Drain (average)	<10mV
Operating Temperature	-20 to 70°C
Humidity Operating	≤ 85% RH non-condensing
Humidity Non-operating	≤ 95% RH non-condensing
Dimensions (Approx.)	140 x 65 x 18.6mm
Weight (Approx.)	1kg
IP Rating	IP54

COMMLINK SPECIFICATIONS

Input Voltage	8V to 16V
Quiescent Current Drain (average)	<20mV
Operating Temperature	-20 to 70°C
Humidity Operating	≤ 85% RH non-condensing
Humidity Non-operating	≤ 95% RH non-condensing
Dimensions (Approx.)	92 x 52 x 25mm
Weight (Approx.)	150g
IP Rating	IP30

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