

PXSHUNT500

EXTERNAL SHUNT

The PXShunt500 provides wired battery monitoring for high current BM PRO power management systems.










Made up of two components, the XShunt500 and the PXGateway, adding the PXShunt500 to a BM PRO power management system allows high current loads to be directly connected to the battery while maintaining accurate State of Charge and Time Remaining measurements.



SPECIFICATIONS

Voltage Range	8-16V
Voltage Resolution	<20mV
Current Resolution	<200mA
Current Range	500A
Overload Protection (100ms without damage)	±800A
Temperature Range (Battery Terminal)	-10 - 50°C
Temperature Resolution	3°C
Maximum Capacity	1200Ah
Input Voltage	8-16V
Quiescent Current Drain (average)	XShunt500: <10mA PXGateway: <20mA
Operating Temperature	-10 - 50°C
Humidity Operating	≤ 90% RH non-condensing
Dimensions (Approx.)	XShunt500: 156 x 46 x 47.5mm PXGateway: 90 x 52 x 24mm
Weight (Approx.)	XShunt500: 1kg PXGateway: 150g
IP Rating	XShunt500: IP67 PXGateway: IP30

KEY FEATURES

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Allows high current loads to be directly connected to the battery
 While maintaining accurate State of Charge and Time Remaining measurements
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Monitors battery properties
 Voltage charging/discharging current, energy usage (Ah), temperature
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Supports 12V batteries up to 1200Ah
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Rated for 500A of continuous current
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Compatible with various BM PRO systems
 BatteryPlus35, ASPero, J35
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Simple installation
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Additional CAN Bus port
 Allowing it to be connected to a BM PRO battery monitor
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2.5m wired cable length
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Easy to read LED status indicators