ALVOLTA
BUILT FOR POWER



ALVOLTA 500A 60V BLUETOOTH SHUNT

ALV-500BT-SH

Key Features:

- Suits 12 - 48V Systems
- Supports Various Battery Chemistries
- 500A Measuring Capability
- Built-in Bluetooth
- Durable Design

Suitable for:

3 YEAR WARRANTY

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Specifications:

Supply Voltage	6.5 - 60V
Current Rating	500A
System Voltage Range	12 / 24 / 48V
Current Draw	≤ 15mA
Compatible Battery Types	Lithium, Sealed Lead-Acid, Gel & Open Batteries
Battery Capacity	1 - 9999Ah
Terminal Size	10mm (M10)
Connection Type	10mm Cable Lug
Maximum Cable Size	120mm² (0000AWG)
Current Resolution	± 0.01A
Voltage Resolution	± 0.01V
State of Charge (SOC) Resolution	± 0.1%
Time Accuracy	± 1min
Current Measurement Accuracy	± 0.4%
Voltage Measurement Accuracy	± 0.3%
RS485 Communication	9600 baud, 8 data bits, no parity, 1 stop bit (9600 8N1)
Bluetooth Communication	Built-in Bluetooth, supports app data integration & OTA upgrade
CAN Communication	Supports RV-C protocol
Historical Data	Can store the last 6 days of historical data
Operating Temperature Range	-35°C - +65°C
Ingress Protection	IP21
Cooling Method	Natural heat dissipation
Colour	Black
Dimensions (w x h x d)	120 x 48.3 x 45.9mm
Weight	0.35kg
Warranty	3 Years

*All data and specifications provided in this datasheet are tested under standard test conditions, and may deviate marginally from actual values. Alvolta and its associates reserve the right to make modifications to the provided information without notice. Alvolta maintains the goal to supply customers with the most recent information regarding its products.

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Model Dimensions:

