BM500 Pro

Battery Shunt

FEATURES

- Monitors auxiliary battery voltage, current, SoC, and remaining runtime for accurate system management
- Up to 600A current measurement for 12V ~ 48V lead-acid & lithium battery systems, supporting system voltages up to 70V
- 3-channel battery voltage monitoring (1 × auxiliary + 2 × starter)
- Programmable dry-contact outputs: 2A @30Vdc or 0.5A @125Vac, for controlling external devices
- CAN and RS485 communication
- High measurement accuracy (± 0.4% Current, ± 0.3% Voltage)
- Versatile applications: ideal for marine, RVs and utility vehicles



Model	BM500 Pro
Electrical	
Supply Voltage Range (V)	9 ~ 70
Auxiliary battery voltage range (+B1) (V)	9 ~ 70 (Single voltage monitoring)
Starter battery voltage (+V2, +V3) (V)	1 ~ 70 (Dual voltage monitoring)
Current sensing range (A)	± 600
Continuous current (A)	± 500
Battery capacity range (Ah)	10 ~ 10000
Battery types	AGM, GEL, Flooded, LFP
Voltage accuracy (%)	± 0.3
Current accuracy (%)	± 0.4
General	
Operating Temperature (°C)	-20 ~ 50
Storage temperature (°C)	-30 ~ 70
Supported Expansion Modules	Display / Battery Temperature Sensor / Dry Contact Output
External Display Power Supply	+ 12V / 2.5W
Communication	CAN / RS485
Temperature Monitoring	1 channel (Expansion supported)
IP protection	IP20
Dimensions (mm)	105 × 105 × 63