



HIGH VOLTAGE RACK BMS

Only compatible with the maco solar R-LFP 51.2V100Ah 5.12 kWh HV battery.



Key Features

- **Advanced monitoring and management:** The BMS monitors in real-time the state of charge (SOC), state of health (SOH), and cell parameters, ensuring stable and safe performance.
- **Complete Protection:** It integrates safety features to prevent overloads, deep discharges, short circuits, overheating, and other potentially harmful conditions.
- **System optimization:** It automatically balances the voltage and current between the battery cells, extending the system's lifespan and improving its efficiency.
- **Specific Compatibility:** Designed to work exclusively with the MACO SOLAR R-LFP 51.2V100Ah 5.12 kWh HV rack battery, ensuring perfect integration and ease of installation.
- **Reliability and Durability:** Built with high-quality materials and cutting-edge technology, the BMS ensures optimal performance even in complex operating conditions.
- The Maco Solar HV system is essential for those seeking a reliable and scalable energy storage system, capable of meeting the needs of both residential and commercial applications.



We Bring The Sun Closer!

Model	HIGH VOLTAGE RACK BMS
BRAND	MACO SOLAR
VOLTAGE RANGE	260-750V
BATTERY CHARGING CURRENT(A)	100
MAX CONTINUOUS CHARGING CURRENT(A)	125
COMPATIBILITY	Maco Solar 6-12 HV 5.12kWh batteries + 1 BMS rack cabinet
OPERATING TEMPERATURE	-20°C~55°C
PROTECTION RATING	IP20
NET WEIGHT(KG)	14
HEIGHT * DEPTH *WIDTH(MM)	132 *500 *482mm
POWER COMSUMPTION	≤15W
COMMUNICATION PORT WITH BMU	CAN
COMMUNICATION PORT WITH PCS/UPS	RS485/CAN
COMMUNICATION PORT WITH SBMS	RS485/CAN
COMMUNICATION WITH MONITORING SOFTWARE	Ethernet
Battery charge & discharge management	Available
Battery temperature management	Available
IAP upgrade	Available
System protection parameter setting	Available
Short circuit protection	Available
Precharge function	Available
Parallel Circulation Control	Available
Event Record	Available 5000
Installation Method	Suitable for installation in standard 19-inch racks
Appearance Color	White
Warranty	10 years
Certificate	CE:IEC62477-1 EN61000-6-2/4

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