

RACK MASTER BMS

Description:

The Master / Rack BMS Module is designed to communicate with the slave modules of 48V , connected in series. This communicates through RS 485 communication protocol and acquires vital information on the individual cells of the slave module, current, AH, cell balancing status etc and takes necessary action to connect / disconnect to the charger / load, as required.



Configuration	
Battery Module Capacity (AH)	100 A
No of Modules in series	15S (51.2V module)
System Operating Voltage (V)	768 V, Nom for LiFePO4
Charge / Discharge Current (A)	
Recommended	50 A
Max.	100 A
Peak Discharge	150 A (2 min)
Charge Temperature	0 – 55 °C
Discharge Temperature	-20 – 55 °C
Communication Port	CAN 2.0 / RS 485 / Ethernet
Dimensions (W x D x H) mm	3U, 19" rack
Protections Enabled	
	Battery Under Voltage
	Battery Over Voltage
	Short Circuit Current
	Over Temperature
Data Acquired	
	Total Battery Voltage (15 modules in series)
	Battery Current (CH & DISCH)
	Temperature
Status Indications	
	Power ON
	RUN
	SOC
	Cell balance
	Battery UV
	Battery OV
Display	7" Touch Screen Display

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