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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.



Battery Module Capacity (AH) No of Modules in series System Operating Voltage (V) Charge / Discharge Current (A) Recommended So A Max. 100 A Peak Discharge Charge Temperature Charge Temperature Discharge Temperature Dimensions (W x D x H) mm Protections Enabled Battery Under Voltage Battery Over Voltage Battery Over Voltage Short Circuit Current Over Temperature 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		
No of Modules in series System Operating Voltage (V) Charge / Discharge Current (A) Recommended Max. Peak Discharge Charge Temperature Discharge Temperature Communication Port Dimensions (W x D x H) mm Protections Enabled Battery Under Voltage Battery Vor 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 UV Battery OV	Configuration	
System Operating Voltage (V) Charge / Discharge Current (A) Recommended Max. Peak Discharge 150 A 100 A Peak Discharge 150 A (2 min) Charge Temperature 0 - 55 °C Discharge Temperature Communication Port Dimensions (W x D x H) mm 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 UV Battery OV		100 A
Charge / Discharge Current (A) Recommended Max. Peak Discharge 150 A (2 min) Charge Temperature 0 - 55 °C Discharge Temperature Communication Port Dimensions (W x D x H) mm 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	No of Modules in series	
Recommended Max. 100 A Peak Discharge 150 A (2 min) Charge Temperature 0 - 55 °C Discharge Temperature -20 - 55 °C Communication Port Dimensions (W x D x H) mm Protections Enabled Battery Under Voltage Battery Over 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	System Operating Voltage (V)	768 V, Nom for LiFePO4
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	Charge / Discharge Current (A)	
Peak Discharge Charge Temperature Discharge Temperature Communication Port Dimensions (W x D x H) mm 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	Recommended	50 A
Charge Temperature Discharge Temperature Communication Port Dimensions (W x D x H) mm 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	111200	100 A
Discharge Temperature -20 − 55 °C Communication Port Dimensions (W x D x H) mm 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	Peak Discharge	150 A (2 min)
Communication Port Dimensions (W x D x H) mm 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	Charge Temperature	0 − 55 ° C
Dimensions (W x D x H) mm 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	Discharge Temperature	-20 − 55 ° C
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	Communication Port	CAN 2.0 / RS 485 / Ethernet
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	Dimensions (W x D x H) mm	3U, 19" rack
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	Protections Enabled	
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 UV		·
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		· · · · · · · · · · · · · · · · · · ·
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		
Total Battery Voltage (15 modules in series) Battery Current (CH & DISCH) Temperature Status Indications Power ON RUN SOC Cell balance Battery UV Battery OV		Over Temperature
Battery Current (CH & DISCH) Temperature Status Indications Power ON RUN SOC Cell balance Battery UV Battery OV	Data Acquired	
Temperature Status Indications Power ON RUN SOC Cell balance Battery UV Battery OV		
Status Indications Power ON RUN SOC Cell balance Battery UV Battery OV		
Power ON RUN SOC Cell balance Battery UV Battery OV		Temperature
RUN SOC Cell balance Battery UV Battery OV	Status Indications	
SOC Cell balance Battery UV Battery OV		Power ON
Cell balance Battery UV Battery OV		RUN
Battery UV Battery OV		SOC
Battery OV		Cell balance
·		Battery UV
Display 7" Touch Screen Display		Battery OV
	Display	7" Touch Screen Display

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