



AYAA TECHNOLOGY CO.,LTD

BMS Specifications

Model: PCM-L10S200-N98(A-3) (4S-10S)

Test item(Test at normal temperature 25±2°C)		Criterion		
Battery type classification		LF	LI	Adjustable
Communication Interface		RS485/CAN/UART		Yes
Voltage	Charging voltage	DC: 12.8V~32V CC/CV(3.2V/Cell) 4~10s	DC: 16.8V~42V CC/CV(4.2V/Cell) 4~10s	Yes
Supply Current	Maximal continuous charging current	200A		Yes
	Maximal continuous discharging current	200A		Yes
	Current consume in normal operation	≤15mA		/
	Current consume in sleep operation	≤150uA		/
Balanced	Balance current for single cell	100mA		/
	Balance voltage for single cell	3.5±0.05V	4.0±0.05V	Yes
	Turn on the pressure difference	50mV		Yes
Over-Charge Protection (single cell)	Over charge detection voltage	3.65±0.05V	4.25±0.05V	Yes
	Over charge detection delay time	1.0S		Yes
	Over charge release voltage	3.55±0.05V	4.15±0.05V	Yes
Over-Discharge Protection (single cell)	Over discharge detection voltage	2.5±0.05V	2.7±0.05V	Yes
	Over discharge detection delay time	1.0S		Yes
	Over discharge release voltage	2.8±0.05V	3.0±0.05V	Yes
Charge Over Current Protection	Charge over current detection current	100A±3%		Yes
	Detection delay time	1.0S		Yes
	Release conditions	Removing the charger release		/
Discharge Over Current Protection	Discharge over current detection current 1	300A±3%		Yes
	Detection delay time 1	10.0S		Yes
	Discharge over current detection current 2	400A±3%		Yes
	Detection delay time 2	1.0S		Yes
Release conditions		Removing the load is lifted		/
Short Protection	Detection condition	Battery B + Short Circuit for P-Connection Head		/
	Detection delay time	50-600uS		Yes
	Release condition	Remove load		/
SOC	accuracy(It takes a charge-discharge cycle to achieve the accuracy requirement after initial power-on.)	5%~8%		/
Temperature	Low temperature protection when charge	0°C		Yes
	Release temperature(low temperature protection)	5°C		Yes
	Over temperature protection when charge	60°C		Yes
	Release temperature(over temperature protection)	55°C		Yes
	Low temperature protection when discharge	-15°C		Yes
	Release temperature(low temperature protection)	-10°C		Yes
	Over temperature protection when discharge	65°C		Yes
	Release temperature(over temperature protection)	55°C		Yes
	Operating Temperature Range		-40~+85°C	
Storage Temperature Range		-40~+125°C		/

SIZE: L160 * W90 * T16 mm

NTC: 10KΩ Weak current switch: Yes Activation Method: / Pre-discharge Function: Yes



Prepared: Zjh 2025-10-28

Checked:
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Approved: