



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

Model: AY-L4S100A-M074

No.	Test item (Test at normal temperature 25±2℃ and relative humidity≤90%)		Criterion
1	Communication Interface		RS485&UART&Bluetooth
2	The BMS supports max 8S battery packs, there are 4 battery packs in series for 4S ,and 2 battery packs in series for 8S, all support infinite parallels connection.		
3	current in parallel		≤10A
4	Voltage	Charging voltage	DC: 13.8V~33.6V CC/CV (3.45V~4.2V/Cell) 4/8s
5	Supply Current	Normal operating-mode current (Gas Gauge IC)	≤30mA (average)
		SLEEP operating-mode current (Gas Gauge IC)	≤200uA (average)
		Maximal continuous charging current	100-200A
		Maximal continuous discharging current	100-200A
		Balance current for single cell	36-42mA
6	Over charge Protection (single cell)	Balance voltage for single cell	3.6-4.2V
		Over charge detection voltage	3.6-4.35V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.4-4.15V
7	Over discharge protection (single cell)	Over discharge detection voltage	2.0-3.0V
		Over discharge detection delay time	150—300mS
		Over discharge release voltage	2.3-3.2V
8	Over current protection (Battery pack)	Over charge current protection	110-210A
		Detection delay time	1S
		Over current detection current 1	200-400A
		Detection delay time	2-5S
		Over current detection current 2	300-600A
		Detection delay time	50ms—300ms
		Release condition	Cut load,Auto Recovery
9	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load,Auto Recovery
10	Resistance	Protection circuitry (MOSFET)	≤50m Ω
11	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

SIZE: L180 \*W93 \*T18 mm

NTC: 10K NTC\*3pcs

Temperature switch: /

Weak current switch: YES

Activation Method: /



