



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

Model: AY-L5S100A-M069

No.	Test item (Test at normal temperature 25±2℃ and relative humidity≤90%)		Criterion
1	Communication Interface		<b>RS485&amp;CANBUS&amp;UART</b>
2	Voltage	Charging voltage	DC: 17.25V~21V CC/CV (3.45V~4.2V/Cell) 5s
3	Supply Current	Normal operating-mode current (Gas Gauge IC)	≤25mA (average)
		SLEEP operating-mode current (Gas Gauge IC)	≤150uA (average)
		Maximal continuous charging current	30-100A
		Maximal continuous discharging current	30-100A
		Balance current for single cell	36-42mA
4	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
5	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
6	Over current protection (Battery pack)	Over charge current protection	40-120A
		Detection delay time	1S
		Over current detection current 1	80-240A
		Detection delay time	2-5S
		Over current detection current 2	90-300A
		Detection delay time	50ms—300ms
7	Short protection	Release condition	Cut load,Auto Recovery
		Detection condition	Exterior short circuit
		Detection delay time	200-800us
8	Resistance	Release condition	Cut load,Auto Recovery
		Protection circuitry (MOSFET)	≤50m Ω
9	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

SIZE: L180 \*W75 \*T20 mm

NTC: 10K NTC\*2pcs

Temperature switch: /

Weak current switch: YES

Activation Method: /

