



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: AY-L10S15A-M051

No.	Test item (Test at normal temperature 25±2℃ and relative humidity≤90%)		Criterion
1	Communication Interface		RS485&CANBUS
2	Voltage	Charging voltage	DC: 34.5V~42V CC/CV (3.45V~4.2V/Cell) 10s
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	10-20A
		Maximal continuous discharging current	10-20A
		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	15-30A
		Detection delay time	1S
		Over current detection current 1	20-40A
		Detection delay time	2-5S
		Over current detection current 2	40-60A
		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)	≤50mΩ
9	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

SIZE: L85 *W55 *T20 mm

NTC: 10K NTC*2pcs

Temperature switch: /

Weak current switch: YES

Activation Method: /

