



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: AY-L12S80A-M067

No.	Test item (Test at normal temperature 25±2℃ and relative humidity		Criterion
1	Communication Interface		RS485&CANBUS
2	Voltage	Charging voltage	DC: 41.4V~50.4V CC/CV (3.45V~4.2V/Cell) 12s
		Balance mode	Active battery balance
		Balance on condition	Reach the user-defined activation voltage and differential voltage. Detection voltage of single string 2-5V, and equalizing activation differential voltage (Adjacent
3	Supply Current	Normal operating-mode current (Gas Gauge IC)	≤10mA (average)
		SLEEP operating-mode current (Gas Gauge IC)	≤150uA (average)
		Maximal continuous charging current	20-80A
		Maximal continuous discharging current	20-80A
4	Over charge Protection (single cell)	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	30-90A
		Detection delay time	1S
		Over current detection current 1	60-240A
		Detection delay time	2-5S
		Over current detection current 2	120-480A
		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: L188 *W110 *T20 mm

NTC: 10K NTC*3pcs

Temperature switch: /

Weak current switch: /

Activation Method:/

