



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

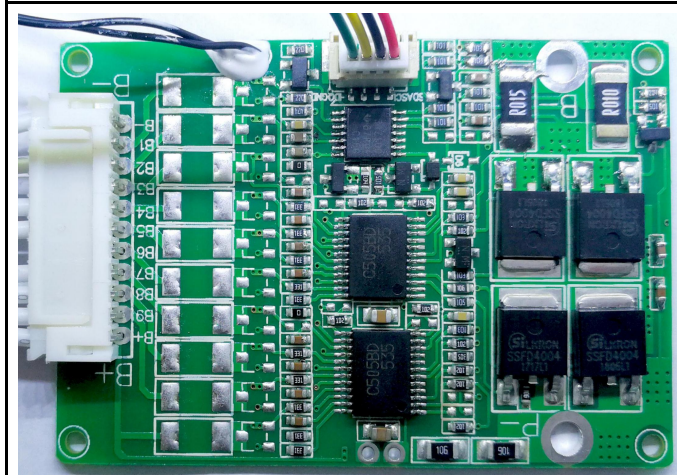
Model: AY-LB8S5A-T003

ver: A

Test Item (Test at normal temperature 25±2°C)		Criterion
Communication Interface		I2C
Voltage	Charging voltage	DC: 33.6V CC/CV (4.2v/Cell) 8s
Capacity	Designing battery capacity (PCM)	5.4Ah
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode.ILOAD>Sleep Current	≤160uA
	Low-power operating mode current: Fuel gauge in SLEEP mode.ILOAD<Sleep Current	≤120 uA
	Low-power operating mode current: Fuel gauge in FULLSLEEP mode.ILOAD<Sleep Current	≤80uA
	Maximal continuous charging current	8A
	Maximal continuous discharging current	8A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S-2S
	Over charge release voltage	4.10±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.5±0.05V
	Over discharge detection delay time	0.5S-2S
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	Charge Over current detection current	15±3A
	Detection delay time	0.5S-2S
	Discharge Over current detection current	15±3A
	Detection delay time	0.5S-2S
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤60mΩ
Temperature	discharge temperature protection	-10~+65°C
	charge temperature protection	0~+60°C
	Operating Temperature Range	-40~+85°C
	Storage Temperature Range	-40~+125°C

SIZE: L60.3*W40*T7mm

NTC: 10KNTC B=3435 Temperature switch: / °C (the batteries temperature) Weak current switch: / Activation Method: /



Note:

1,✕ denotes the required test items

☆denotes sampling test

The unsigned ones are the reference items

Prepared: Hardy 2018-11-21

Checked:

Approved:

Form number: AY-ENBG-007A0