



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: PCM-L04S100-G09

Test item (Test at normal temperature 25±2℃)		Criterion
Communication Interface		SMBUS
Voltage	Charging voltage	DC: 14.4V CC/CV (3.6V/1cell)
	Cell-balance release voltage	3.6V ±0.025V
	Cell-balance detection delay time	0.5S—2S
Capacity	Designing battery capacity (PCM)	mAh
	Max capacity (Battery pack)	100000mAh
	Capacity design multiple (Battery pack)	10 Times
	External capacity Indication	LCD,LED
	Gas gauge algorithm	IT (High accuracy)
Supply Current	Current self-consumption for single cell	≤30μA
	Normal operating-mode current self-consumption (Gas Gauge IC)	600 uA
	Low current self-consumption-mode (Gas Gauge IC)	350 uA
	SMBUS Communicating-mode current self-consumption (Gas Gauge IC)	≤2mA
	Bluetooth mode current self-consumption (Gas Gauge IC)	≤50mA
	Maximal continuous charging current	100A
	Maximal continuous discharging current	100A
	Balance current for single cell	57±10mA
Over charge Protection	Over charge detection voltage	3.75±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	3.50±0.05V
Over discharge protection (single cell)	Over discharge detection voltage	2.20±0.05V
	Over discharge detection delay time	10—30mS
	Over discharge release voltage	2.50±0.05V
Over current protection	Over charge detection current	150±20A
	Detection delay time	2S
	Over current detection current	300±50A
	Detection delay time	5s
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-800us
	Release condition	Cut load, auro-release
Resistance	Protection circuitry (MOSFET)	≤ 30mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

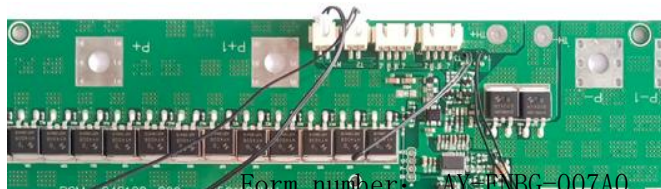
SIZE: L250*W120*T18mm

NTC: 10KNTC

Temperature switch: /

Weak current switch: /

Activation Method:/



Form number: AY-ENBG-007A0

