



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

Model: PCM-L04S100-K53

Test item (Test at normal temperature 25±2°C and relative humidity≤90%)		Criterion
Voltage	Charging voltage	DC: 13.8V~16.8V CC/CV (3.45V~4.2V/Cell) 4s
	Cell-balance detection voltage (Charge balance)	can be adjusted by required
	Cell-balance detection delay time	0.5S—2S
Current	Normal operating-mode current (Gas Gauge IC)	600 uA (average)
	SLEEP operating-mode current (Gas Gauge IC)	350 uA (average)
	Maximal continuous charging current	50-150A
	Maximal continuous discharging current	50-150A
	Balance current for single cell	32-58mA
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
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
Over current protection (Battery pack)	Over current detection current	150-450A
	Detection delay time	50ms—300ms
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-800us
	Release condition	Cut load,Auto Recovery
Resistance	Protection circuitry (MOSFET)	≤50mΩ
Temperature	Operating Temperature Range	-40~+85°C
	Storage Temperature Range	-40~+125°C

SIZE: L190 \*W75\*T18mm

NTC: 10K NTC\*2pcs    Temperature switch: /    Weak current switch: /    Activation Method: /

