



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

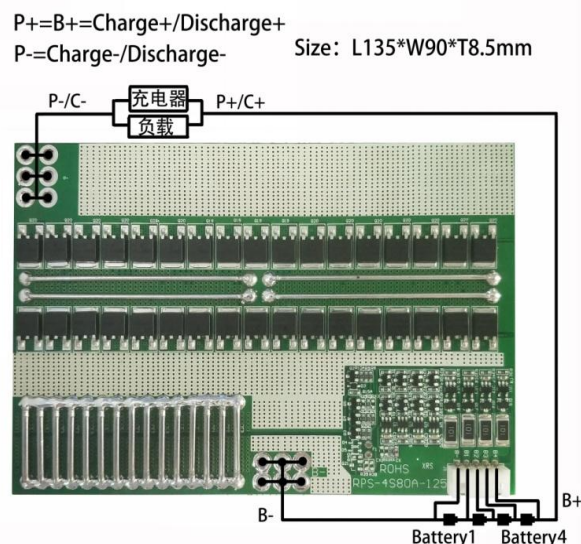
Model: PCM-LB4S80A-AY143 (LF-4S80A)

ver: A

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 14.4V CC/CV (3.6V/Cell) 4s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	80A
	Maximal continuous discharging current	80A
	Balance current for single cell	36±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	3.6V±0.05V
	Over charge detection voltage	3.9±0.025V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	3.8±0.025V
Over discharge protection (single cell)	Over discharge detection voltage	2.0±0.05V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	2.50±0.05V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	250±30A
	Detection delay time	10ms—50ms
	Release condition	Cut load, Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	100-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤20mΩ
Temperature	high temperature discharge protection	65±10℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L135\*W95\*T8.5 mm

NTC: /      Temperature switch: /      Weak current switch: /



Prepared: Cassie 2019-6-17

Checked:

Approved: