



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

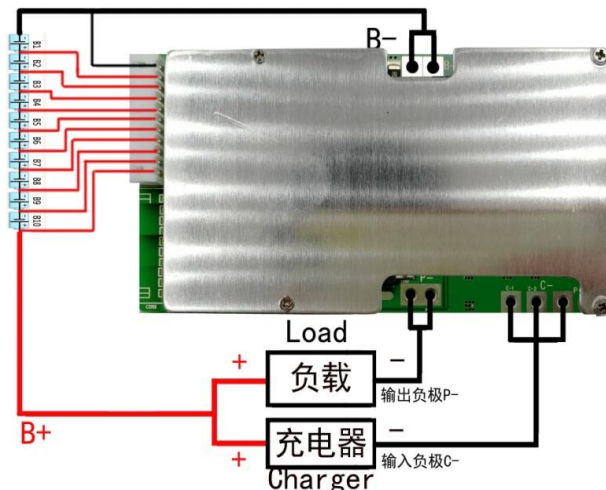
Model: PCM-LB20S30A-AY024 (LI-20S40A) ver: A

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 84V CC/CV (4.2v/Cell) 20s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤20uA
	Maximal continuous charging current	5A
	Maximal continuous discharging current	40A
	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	4.15±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.75±0.05V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	120±30A
	Detection delay time	5ms—50ms
	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	≤20mΩ
Temperature	high temperature discharge protection	65℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L120*W63*T10 mm

NTC: / Temperature switch: 65 ℃ (the batteries temperature) Weak current switch: / Activation Method: /

B+=P+=C+=Charger+/Load+
P-=Load-, C-=Charger- Size: L120*W63*T10mm



Prepared: Emily 2020-4-3

Checked:

Approved:

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