



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

Model: PCM-LB20S400A-AY306

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 69V~84V CC/CV (3.45V~4.2V/Cell) 20s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤30uA
	Maximal continuous charging current	300A/4S 220A/20S
	Maximal continuous discharging current	300A/4S 220A/20S
	Balance current for single cell	36-42mA
Over-charge Protection (single cell)	Balance voltage for single cell	3.6-4.2V
	Over charge detection voltage	3.65-4.35V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.05-4.15V
Over discharge protection (single cell)	Over discharge detection voltage	2.4-3.0V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	2.5-3.2V
Current protection (Battery pack)	Discharge Over current detection current	can be adjusted by required
	Detection delay time	5ms—20ms
	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	≤65mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L175 \*W116.5 \*T18 mm

NTC: / Temperature switch: / Weak current switch: / Activation Method: /

