



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: PCM-L05S100A-AY073-LB5S100A		ver: A
Test item (Test at normal temperature 25±2°C)		Criterion
Voltage	Charging voltage	DC: 21V CC/CV (4.2v/Cell) 5S
Supply Current	Normal operating mode Self consumption current ※	≤ 50uA
	Maximal continuous charging current	100A
	Maximal continuous discharging current	100A
	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	4.10±0.1V
Over discharge protection (single cell)	Over discharge detection voltage ※	2.8±0.05V
	Over discharge detection delay time ※	10—200mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	Discharge Over current detection current ※	300±50A
	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	≤ 30mΩ
Temperature	high temperature discharge protection	65±3°C
	Operating Temperature Range	-40~+85°C
	Storage Temperature Range	-40~+125°C

SIZE: L120*W60*T12 mm

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



Prepared: Emily 2021-3-11

Checked:

Approved: