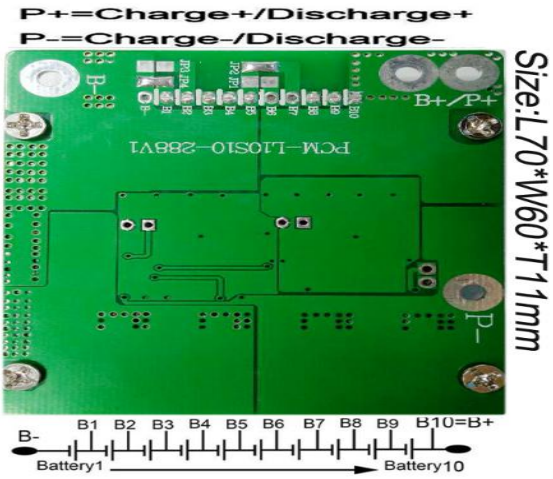
AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: PCM-LB10S15-288V1		ver: A
Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC：42V CC/CV（4.2v/Cell）10S
Supply Current	Normal operating mode Self consumption current ※	≤ 50uA
	Maximal continuous charging current	5A
	Maximal continuous discharging current	15A
	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	4.05±0.1V
Over discharge protection (single cell)	Over discharge detection voltage ※	2.5±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 ※	40±5A
	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℃
	Operating Temperature Range	-40～+85℃
	Storage Temperature Range	-40～+125℃
SIZE: L70*W60*T11 mm		
NTC: / Temperature switch： 65 ℃ (the batteries temperature) Weak current switch：/ Activation Method:/		



Note:

1,The connection diagram for reference.May have a little difference with the real model. When you prepare assembly, you can double check the connection plan with us firstly!

2,When using this product, anti-static measures must be prepared! Connect to the battery as shown on the right!

3,Please avoid mechanical damage protection PCM! And use PCM within specifications!

4, Note that the use of lead, iron, tin slag, etc. Do not touch the circuit board, may damage the circuit PCM!

5,If something goes wrong, please contact us!

6,※ Denotes the required test items. ☆denotes sampling test.The unsigned ones are the reference items!

Prepared： Hardy 2019-1-2 Checked： Approved：

Form number： AY-ENBG-007A0