AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-Li01S8-015

Test item		Criterion		
		Lifepo4	Li-ion/Li-polymer	
Voltage	Charging voltage	DC 3.6V CC/CV(3.6V/cell)	DC 4.2V CC/CV(4.2V/cell)	
	Balance voltage for single cell	/	/	
Current	Current consumption for single cell	≤20μA	≤20μA	
	Maximal continuous charging current	5A	5A	
	Maximal continuous discharging current	5A	5A	
	Balance current for single cell	/	/	
Over charge Protection （single cell）	Over charge detection voltage	3.90V±0.025V	4.25±0.025V	
	Over charge detection delay time	0.5-2.0S	0.5S—2.0S	
	Over charge release voltage	3.805±0.05V	4.05 ±0.05V	
Over discharge protection （single cell）	Over discharge detection voltage	2.00±0.8V	2.5±0.08V	
	Over discharge detection delay time	10-300mS	10-300mS	
	Over discharge release voltage	2.3±0.1V	3.0±0.1V	
Over current protection （Battery pack）	Over current detection current	final data fixed from actual test	final data fixed from actual test	
	Over current detection voltage	depend on the above points	depend on the above points	
	Detection delay time	5-20ms	5-20ms	
	Release condition	Cut load,Auto release	Cut load,Auto release	
Short protection	Detection condition	Exterior short circuit		
	Detection delay time	100～500us		
	Release condition	charge up		
Resistance	Protection circuitry	≤50mΩ		
Temperature	Operating Temperature Range	-40～+85℃		
	Storage Temperature Range	-40～+125℃		
SIZE: L32*W5*T2.0mm				
Optional Parameters:	Over charge detection voltage (V)	4.28±0.025V	4.25±0.025V	3.65±0.025V
	Over charge release voltage(V)	4.10±0.05V	4.05±0.05V	3.65±0.05V
	Over discharge detection voltage	3.00±0.8V	2.80±0.8V	2.50±0.8V
	Over discharge release voltage(V)	3.20±0.1V	3.00±0.1V	3.00±0.1V