

PCM-L04S10-178 (4S)

No	Test item	Criterion	
		Lifepo4	Li-ion/Li-polymer
		DC	DC:16.8 V
1	Voltage	Charging voltage	14.4VCC/CV(3.6V/cell) CC/CV(4.2V/cell)
		Balance voltage for single cell	/
		Balance current for single cell	/
		Current consumption for single cell	≤20μA
2	Current	Max. continuous charging current	7A
		Max. cont. discharging current	7A
		Over charge detection voltage	3.90V±0.025V(optional) 4.25±0.025V(optional)
3	Over charge protection(single cell)	Over charge detection delay time	0.5-2.0S 0.5S—2.0S
		Over charge release voltage	3.80±0.05V 4.15 ±0.05V
		Over discharge detection voltage	2.00±0.8V(optional) 2.5±0.08V(optional)
4	Over discharge protection(single cell)	Over discharge detection delay time	10-300mS 10-300mS
		Over discharge release voltage	2.3±0.1V 3.0±0.1V
		Over current detection voltage	depend on the above points depend on the above points
5	Over current protection	Over current detection current	final data fixed from actual test final data fixed from actual test
		Detection delay time	5-20ms 5-20ms
		Release condition	Cut load,Auto release Cut load,Auto release
		Detection condition	Exterior short circuit
6	Short protection	Detection delay time	100~500us
		Release condition	charge up
7	Resistance	Protection circuitry	≤50mΩ

No Test item		Criterion		
8 Temperature	Operating Temperature Range	-40~+85°C		
	Storage Temperature Range	-40~+125°C		
9 Dimension	L60*W28mm			
Optional Parameters:	Over charge detection voltage (V)	4.28±0.025V	4.25±0.025V	3.65±0.025V
	Over charge release voltage(V)	4.08±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)	3.00±0.1V	3.00±0.1V	3.00±0.1V

4.20V±0.025V

