

PCM-L07S10-811 (7S)

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Working current: 10A
Size: 60x60x17 mm
Balancing: YES
Temp. control: YES
Battery Type: Li-Ion / Li-Pol
Continuous Current: 10A

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No	Test item	Criterion	
		Li-ion/Li-polymer	
1	Voltage	Charging voltage	DC 29.4V CC/CV(4.2V/cell)
		Balance voltage for single cell	4.20±0.025V
2	Current	Balance current for single cell	42±5mA
		Current consumption for single cell	≤20µA
		Max. continuous charging current	10A
		Max. cont. discharging current	10A
		Over charge protection(single cell)	Over charge detection voltage
3	Over charge protection(single cell)	Over charge detection delay time	0.5S—2.0S
		Over charge release voltage	4.15 ±0.05V
		Over discharge detection voltage	2.5±0.08V(optional)
4	Over discharge protection(single cell)	Over discharge detection delay time	10-300mS
		Over discharge release voltage	3.0±0.1V
		Over current detection voltage	depend on the above points
5	Over current protection	Over current detection current	final data fixed from actual test
		Detection delay time	5-20ms
		Release condition	Cut load,Auto release
		Detection condition	Exterior short circuit
6	Short protection	Detection delay time	100~500us
		Release condition	charge up
		Resistance	Protection circuitry
7	Resistance	Protection circuitry	≤50mΩ
		Operating Temperature Range	-40~+85°C
8	Temperature	Storage Temperature Range	-40~+125°C
		Dimension	L60*W60*T17mm

