

Protection Circuit Module Specifications For 14.8V Li-ion Battery Pack

Model: PCM-L04S10-178 (4S)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:16.8V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	$\leq 50 \mu A$
		Maximal continuous Discharging current	10A
3	Over charge Protection	Over charge detection voltage	4.35V \pm 0.025V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	4.15V \pm 0.05V
4	Over discharge protection	Over discharge detection voltage	2.40V \pm 0.08V
		Over discharge detection delay time	50—150ms
		Over discharge release voltage	3.0 \pm 0.10V
5	Over current protection	Over current detection voltage	150 \pm 25mv
		Over current detection current	15 \pm 2A
		Detection delay time	5ms—15ms
		Release condition	Automatic Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry	$\leq 50m \Omega$
8	Temperature	Operating Temperature Range	-40~+85 $^{\circ}C$
		Storage Temperature Range	-40~+125 $^{\circ}C$

PCM-L04S10-178 L60*W28*T3.5mm

