



Protection Circuit Module For 3S Li-ion Battery Pack			
Model: PCM-L03S10-178 (3S)			
No.	Test Item	Criterion	
1	Voltage	Charging voltage	CC/CV:Li-ion/Li-po(4.2V/cell);
		Balancing voltage for single cell	
		Balancing current for single cell	
2	Current	Current consumption	$\leq 20\mu\text{A}$
		Maximal continuous charging and discharging current(continuous working current)	10A
3	Over charge Protection(single cell)	Over charge detection voltage	3.8-4.4V (can adjust)
		Over charge detection delay time	0.96S-1.4S
		Over charge release voltage	3.8-4.4V (can adjust)
4	Over discharge protection (single cell)	Over discharge detection voltage	1.9-3.1V (can adjust)
		Over discharge detection delay time	115-173mS
		Over discharge release voltage	1.9-3.1V (can adjust)
5	Over current protection	Over current detection voltage	0.1-0.6V

		Over current detection current (peak current)	12-40A (optional)
		Detection delay time	7.2ms—11ms
		Release condition	Cut load,Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load,Auto Recovery
7	Resistance	Protection circuitry (MOSFET)	$\leq 50\text{m}\Omega$
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
9	SIZE	L60*W28*T3mm	