

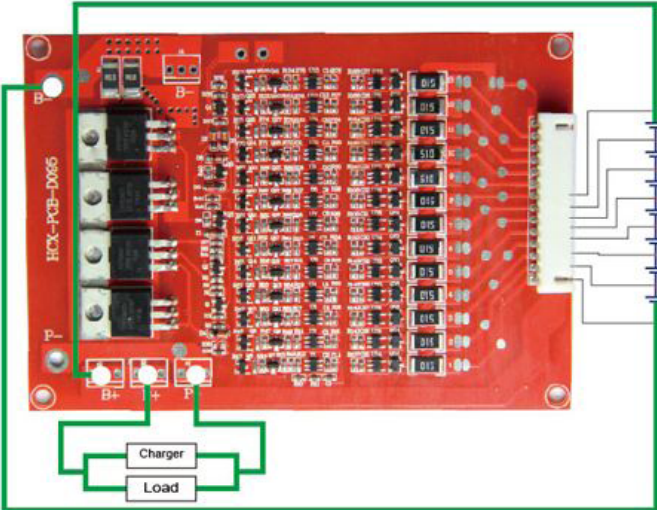
Protection Circuit Module

PCM / BMS / PCB

For 25.9V 7S Li-ion/Li-Polymer Battery Packs

Data Sheet

Item	Contents		Criteria
1	Model		7S-10A working current
2	Voltage	Charging voltage	29.4V
3	Current	Maximal continuous charging current	10A
		Maximal continuous discharging current	10A
		Current consumption	$\leq 20\mu\text{A}$
4	Overcharge Protection	Over charge detection voltage	$4.325\text{V} \pm 0.025\text{V}$
		Over charge detection delay time	0.5~2S
		Over charge release voltage	$4.075\text{V} \pm 0.025\text{V}$
5	Over Discharge Protection	Over discharge detection voltage	$2.50\text{V} \pm 0.05\text{V}$
		Over discharge detection delay time	50~200mS
		Over discharge release voltage	$2.90\text{V} \pm 0.1\text{V}$
6	Over Current Protection	Over current detection voltage	$0.1\text{V} \sim 0.2\text{V}$
		Over current detection current	20~30A
		Detection delay time	5~20mS
		Release condition	Cut load, automatically recover
7	Short Circuit Protection	Detection condition	Exterior shot circuit
		Detection delay time	200~500uS
		Release condition	Cut load, automatically recover
8	Balance	Balance voltage for single cell	$4.2\text{V} \pm 0.025\text{V}$
		Balance current for single cell	42mA \pm 5mA
9	Resistance	Inner resistance	$\leq 20\text{m}\Omega$
10	Temperature	Operating temperature range	-40 ~ +85°C
		Storage temperature range	-20~ +125°C
11	Size (L*W*T)	L115mm * W80mm * T8.5mm	



Remarks:

Charge, Discharge at same Port
P+ = B+ / Charge+ / Discharge+
P- = Charge- / Discharge-

*Note: Characteristics subject to change without notice.