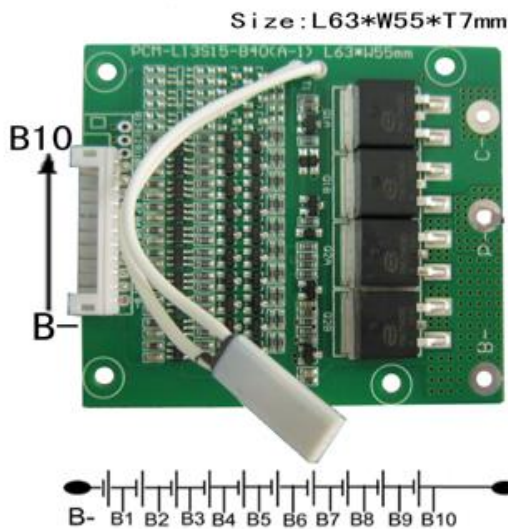


Protection Circuit Module Specifications For 37V Li-ion/Li-PO Battery Pack

Model: PCM-LI37V15A

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 42V CC/CV (4.2V/1Cell)
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	$\leq 20 \mu A$
		Maximal continuous charging current	15A
		Maximal continuous discharging current	15A
3	Over charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.05±0.1V
4	Over discharge protection	Over discharge detection voltage	2.50±0.1V
		Over discharge detection delay time	10—200mS
		Over discharge release voltage	3.0±0.1V
5	Over current protection	Over current detection voltage	0.2 ± 0.015 V
		Over current detection current	100±10A
		Detection delay time	5ms—60ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	$\leq 30m \Omega$
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃
		Discharging Temperature protection	65±5℃



B + / P + = Charge + / Discharge +
 C - = Charge - / Discharge -
 P - = NC

