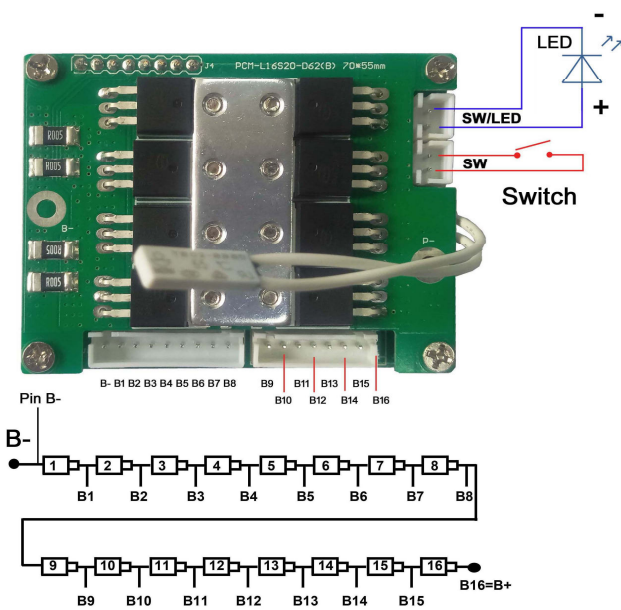


# Protection Circuit Module Specifications For 55.5V Li-ion/Li-po Battery Pack

## PCM-LI55.5V20A-V2

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 63V CC/CV (4.2V/1cell)
		Balance voltage for single cell	4.2V±0.025V
2	Current	Balance current for single cell	40mA±5mA
		Current consumption for single cell	≤20μA
		Maximal continuous charging current	20A
		Maximal continuous discharging current	20A
3	Over charge Protection (single cell)	Over charge detection voltage	4.250 ± 0.025 V
		Over charge detection delay time	0.5S—2.0S
		Over charge release voltage	4.190 ± 0.050 V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.80 ± 0.050 V
		Over discharge detection delay time	100—250mS
		Over discharge release voltage	3.00 ± 0.050 V
5	Over current protection	Over current detection voltage	0.20 ± 0.015 V
		Over current detection current	65±10A
		Detection delay time	15ms—35ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃
		Over Temperature protection (discharge)	60±5℃

L70\*W55\*T20mm



SW Open: P+/P- no output, external LED off  
 SW Close: P+/P- has output, external LED on