

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

Model: PCM-L12S40-357 (10S)

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 42V CC/CV (4.2V/1cell)
		Balance voltage for single cell	4.2V±0.025V
2	Current	Balance current for single cell	84mA±5mA (can adjust)
		Current consumption for single cell	≤20 μ A
		Maximal continuous Charging current	20A
		Continuous Discharging current	30A (Maximal: 40A)
3	Over charge Protection (single cell)	Over charge detection voltage	4.325±0.025V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	4.075±0.025V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.50±0.05V
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	2.9±0.05V
5	Over current protection	Over current detection voltage	0.6v
		Over current detection current	120±10A (can adjust)
		Detection delay time	7.2ms—11ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤30m Ω
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

L182*W63*T26mm

