

# Protection Circuit Module Specifications For 12.8V LiFePO4 Battery Pack

Model: PCM-L04S07-D35 (4S)

No.	Test item (Test at normal temperature 25±2°C and relative humidity≤90%)	Criterion	
1	Communication Interface	SMBUS	
2	Charging voltage	DC: 14.4V CC/CV (3.6V/1cell)	
3	Capacity	Designing battery capacity (PCM)	
		External capacity Indication	LCD,LED
		Gas gauge algorithm	IT (High accuracy)
4	Current	Normal operating-mode current (Gas Gauge IC)	600 uA
		SLEEP operating-mode current (Gas Gauge IC)	200 uA
		Maximal continuous charging current	7A
		Maximal continuous discharging current	7A
5	Over charge Protection	Over charge detection voltage	3.75±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.50±0.05V
6	Over discharge protection	Over discharge detection voltage	2.20±0.10V
		Over discharge detection delay time	0.5S—2S
		Over discharge release voltage	2.5±0.1V
7	Over current protection	Over current detection current	20±3A
		Detection delay time	0.5S—2S
		Release condition	Cut load
8	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-600us
		Release condition	Cut load
9	Resistance	Protection circuitry (MOSFET)	≤50mΩ
10	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
		Discharging Temperature Protection	65°C

B+: Battery+

B-: Battery-

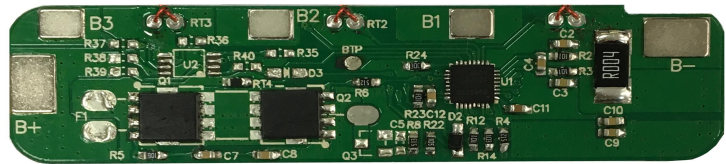
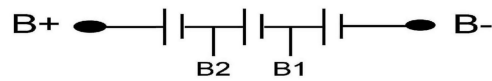
SDA: Serial Data interface

SCL: Serial Clock interface

P+: Charge+/discharge+

P-: Charge-/discharge-

RT1,RT2,RT3=10K NTC



P+=B+=Charge+/Discharge+

P- =Charge-/Discharge-

Size : L66\*W16.6\*T4mm