

# Protection Circuit Module Specifications For 11.1V Li-ion/Li-Po Battery Pack

Model: PCM-L04S07-E28 (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 (4.2V/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	5A
		Maximal continuous discharging current	5A
5	Over charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	4.10±0.10V
6	Over discharge protection	Over discharge detection voltage	2.5±0.10V
		Over discharge detection delay time	0.5S—2S
		Over discharge release voltage	3.0±0.1V
7	Over current protection	Over current detection current	10±2A
		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

SIZE: L65 \*W18 \*T4 mm

NTC:10KNTC    Temperature switch: /    Weak current switch: /    Activation Method: /

