



PCM for 7.2/7.4V Lilon Battery Pack

SPECIFICATIONS

No. Test Item *Test at normal temperature 25±2°C and relative humidity ≤90%.

Criterion

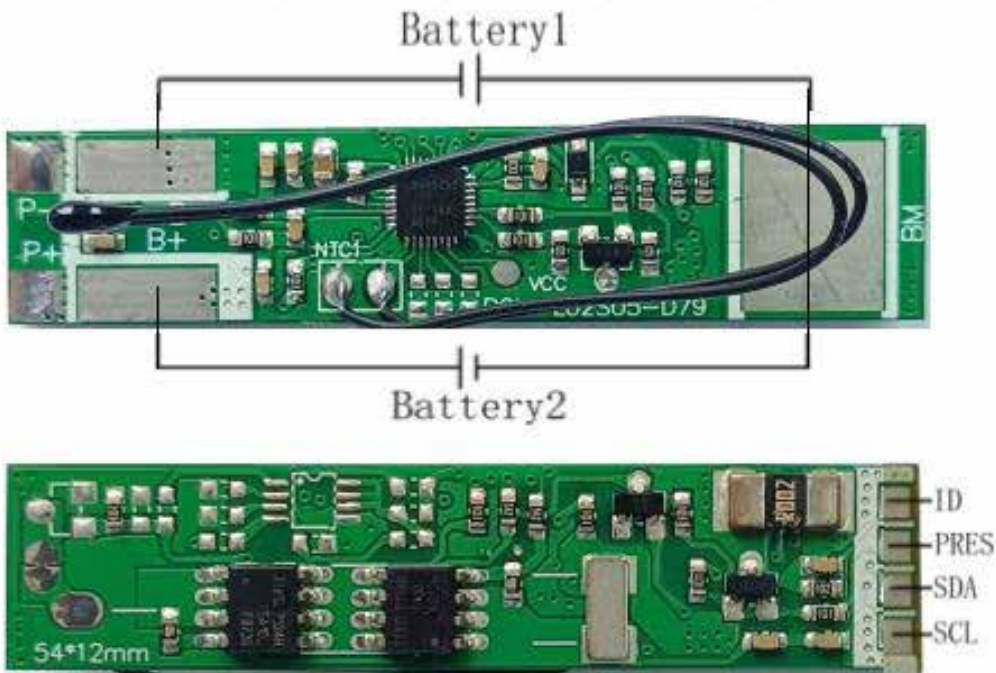
1	Voltage	Charging voltage		DC: 8.4V CC/CV (4.2V/1cell)	
2	Current	Current Consumption (Software)		<600µA	
		Current Consumption (Sleep Mode)		<350µA	
		Maximal Continuous Charging Current		5.5A	
		Maximal Continuous Discharging Current		5.5A	
3	Cell Balancing			V ≥ 3.6V	
4	Over Current Protection	OCC1 Threshold	7A	OCD1 Threshold	10A
		OCC1 Delay	2s	OCD1 Delay	2s
		OCC2 Threshold	8A	OCD2 Threshold	11A
		OCC2 Delay	2s	OCD2 Delay	2s
5	Over Charge Protection	COV Threshold Low Temp	4.25V±0.05V	COV Recovery Low Temp	4.10V±0.1V
		COV Threshold Std Temp	4.25V±0.05V	COV Recovery Std Temp	4.10V±0.1V
		COV Threshold High Temp	4.25V±0.05V	COV Recovery High Temp	4.10V±0.1V
		COV Threshold Rec Temp	4.25V±0.05V	COV Recovery Rec Temp	4.10V±0.1V
		COV Delay	2s		
6	Over Discharge Protection	CUV Threshold	2.5V±0.1V	CUVC Threshold	2.5V±0.1V
		CUV Delay	2s	CUVC Delay	2s
		CUV Recovery	3.00V±0.1V	CUVC Recovery	3.00V±0.1V
7	Over Temperature Protection	OTC Threshold	+50°C±2°C	UTC Threshold	-1°C±3°C
		OTC Delay	2s	UTC Delay	2s
		OTC Recovery	+45°C±2°C	UTC Recovery	0°C±3°C
		OTD Threshold	+60°C±2°C	UTD Threshold	-20°C±2°C
		OTD Delay	2s	UTD Delay	2s
		OTD Recovery	+55°C±2°C	UTD Recovery	-10°C±2°C
8	Short Protection	Detection Condition		>22A	
		Detection Delay Time		≥488µs	
		Release Condition		Cut Load	
9	Resistance	Protection Circuitry		≤100mΩ	
10	BMS IC			BQ40Z50	
11	Temperature	Operating Temperature Range		-20°C~+85°C	
		Storage Temperature Range		-40°C~+125°C	
12	Dimensions	L 54mm x W 12mm			





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IMAGE



CONNECTION DIAGRAM

