



## PCM for 25.6V LiFePO4 Battery Pack

### SPECIFICATIONS

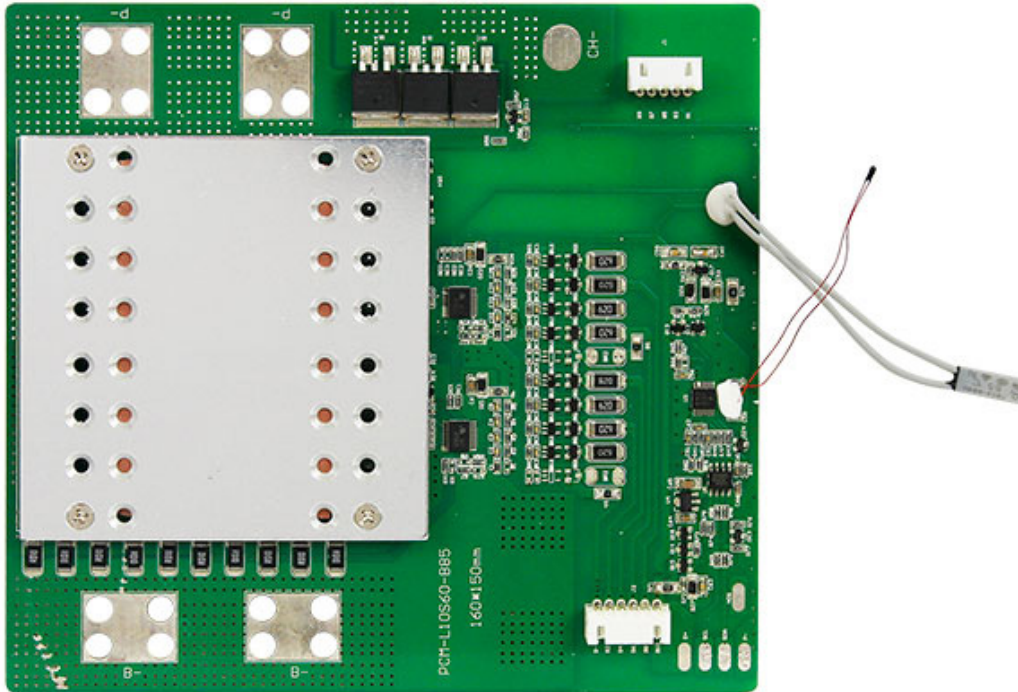
No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC: 28.8V 3.6V/cell
		Balance voltage for single cell	3.60V±0.03V
2	Capacity	Designing battery capacity	60Ah
		Max capacity (battery pack)	320Ah
		Min capacity (battery pack)	800mAh
		Gas gauge algorithm	Impedence track
3	Current	Normal operating-mode current: Gas Gauge in NORMAL mode, ILOAD > Sleep current	160µA
		SLEEP operating-mode current: Gas Gauge in SLEEP mode, ILOAD < Sleep current	80µA
		FULL SLEEP operating-mode current: Gas Gauge in FULL SLEEP mode, ILOAD < Sleep current	25µA
		Maximal continuous charging current	15A
		Maximal continuous discharging current	60A
4	Over Charge Protection	Over charge detection voltage	3.75±0.05V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.55±0.1V
5	Over Discharge Protection	Over discharge detection voltage	2.20±0.1V
		Over discharge detection delay time	150—300mS
		Over discharge release voltage	2.70±0.1V
6	Over Current Protection	Over current detection current	200±30A
		Detection delay time	100ms—300ms
		Release condition	Cut load
7	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200µs—10ms
		Release condition	Cut load
8	Resistance	Protection circuitry (MOSFET)	≤50mΩ
9	Communication interface		HDQ or I2C
10	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
11	Dimensions		L 160.0mm x W 150.0mm x T 27.0mm





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### IMAGE



### CONNECTION DIAGRAM

SDA: Serial Data Interface  
SCL: Serial Clock Interface  
P-: GND  
HDQ: Open drain HDQ serial communication line (slave)

