



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±0.05V
2	Current	Balance current for single cell	65±10mA
		Current consumption	≤20μA
		Maximal continuous charging current	15A
		Maximal continuous discharging current	15A
3	Over Charge Protection	Over charge detection voltage	3.90V±0.05V
		Over charge detection delay time	0.5-2S
		Over charge release voltage	3.80V±0.1V
4	Over Discharge Protection	Over discharge detection voltage	2.0V±0.1V
		Over discharge detection delay time	10ms-200ms
		Over discharge release voltage	2.3±0.1V
5	Over Current Protection	Over current detection voltage	0.62V
		Over current detection current	60±10A
		Detection delay time	8ms—16ms
		Release condition	Cut load
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-500μs
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET) B-to-P-	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+70°C
		Storage Temperature Range	-40~+125°C
9	Dimensions	L 65.0mm x W 50.0mm x T 14.0mm	

IMAGE



CONNECTION DIAGRAM

