

PCB for 4 cells (12.0V) LiFePO4 Battery Pack at 10A limited (PCM-LS04S12-144 -4S)



Technical parameters:

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:14.6V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	≤50μA
		Maximal continuous Discharging current	10A
3	Over charge Protection (single cell)	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	3.80±0.025V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.3±0.08V
		Over discharge detection delay time	0.5S—1.5S
		Over discharge release voltage	2.3±0.05V
5	Over current protection	Over current detection voltage	0.3V±0.025V
		Over current detection current	40±2A
		Detection delay time	5ms—15ms
		Release condition	Automatic Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry (MOSFET)	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C