

Protection Circuit Module Specifications For 25.6V LiFePO4 Battery Packs

Model: PCM-SM23 (LFP-8S)

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC: 28.8V CC/CV (3.6V/1cell)
		Balance voltage for single cell	3.6V±0.025V
2	Current	Balance current for single cell	72mA±5mA
		Current consumption for single cell	≤20 μA
		Maximal continuous charging current	15A
		Maximal continuous discharging current	15A
3	Over charge Protection (single cell)	Over charge detection voltage	3.90±0.025V
		Over charge detection delay time	0.96S-1.4S
		Over charge release voltage	3.80±0.025V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.0±0.05V
		Over discharge detection delay time	115-173mS
		Over discharge release voltage	2.3±0.05V
5	Over current protection	Over current detection voltage	0.6±0.1v
		Over current detection current	50±10A
		Detection delay time	7.2ms-11ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- TO P-)	≤20mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

P+=B+=Charge+/Discharge+

P- =Charge-/Discharge-

Size:L65*W50*T14mm

L65*W50*T14mm

