



PCM Specifications For 52.8V (22S) LTO Battery Packs

Model: BMS 48V (22S)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:60V 2.75V/Cell
		Single balanced voltage	2.70±0.025V
2	Current	Balance current for single cell	50±5mA
		Current consumption	≤50 μ A
		Maximal continuous charging current	150A
		Maximal continuous Discharging current	150A
		Peak current (5Seconds)	2.8±0.025V
3	Over charge Protection	Overcharge detection voltage	0.5S—2S
		Over charge detection delay time	2.55±0.025V
		Over charge release voltage for single cell	1.6±0.05V
4	Over discharge protection	Over discharge detection voltage for single cel	10mS—200mS
		Over discharge detection delay time	1.9±0.05V
		Over discharge release voltage for single cell	0.1V
5	Over current protection	Over current detection voltage	500±50A
		Over current detection current	5ms—20ms
		Detection delay time	0.5—2S
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	180-550us
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET)	≤20mΩ
8	Temperature	Protection Temperature	10K NTC
		Operating Temperature Range	-40~+65℃
		Storage Temperature Range	-40~+125℃

SIZE:L190\*W170\*T32mm

