

ORION[®]

PCM Specifications

Protection Circuit Module Specifications For 14.8V Li-ion

Model: BMS 301 (Li-ion 4S8A)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:16.8V 4.2V/Cell
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Low Current consumption	≤50 μA
		Maximal continuous charging current	8A
		Maximal continuous Discharging current	8A
		Over charge Protection	Over charge detection voltage
3	Over charge Protection	Over charge detection delay time	0.5—1.5S
		Over charge release voltage	4.15±0.05V
		Over discharge protection	Over discharge detection voltage
4	Over discharge protection	Over discharge detection delay time	50—150mS
		Over discharge release voltage	3.0±0.1V
		Over current protection	Over current detection voltage
5	Over current protection	Over current detection current	25±5A
		Detection delay time	10ms—30ms
		Release condition	Cut load
		Short protection	Detection condition
6	Short protection	Detection delay time	100-500uS
		Release condition	Cut load
		Resistance	Protection circuitry
7	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

