

ORION[®]

PCM Specifications

Model: BMS 304 (Li-ion 4S30A)

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 16.8V CC/CV (4.2V/Cell) 4S
Capacity	Designing battery capacity (PCM)	/mAh
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	30A
	Maximal continuous discharging current	30A
	Balance current for single cell	67±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.25V±0.025V
	Over charge detection delay time	0.5S—1.5S
	Over charge release voltage	4.05V±0.05V
Over discharge protection (single cell)	Over discharge detection voltage	2.80V±0.08V
	Over discharge detection delay time	50—150mS
	Over discharge release voltage	3.0±0.10V
Current protection (Battery pack)	Charge Over current detection current	/
	Detection delay time	/
	Discharge Over current detection current	60±10A
	Detection delay time	5ms—50ms
	Release condition	Cut load, Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤20mΩ
Temperature	high temperature discharge protection	60℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L56*W48 *T4 mm

NTC: / Temperature switch: 60℃ (the batteries temperature) Weak current switch: / Activation Method: /

