

ORION[®]

PCM Specifications

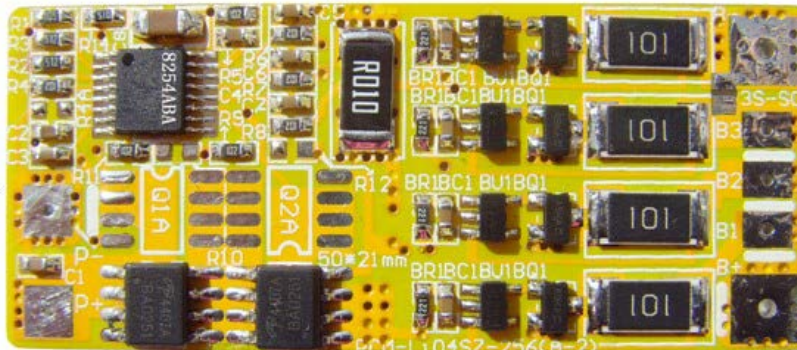
Model: BMS 302 (Li-ion 4S-8A) ver: A

Test item (Test at normal temperature 25±2°C)		Criterion
Voltage	Charging voltage	DC: 16.8 CC/CV (4.2v/Cell) 4S
Supply Current	Normal operating mode Self consumption current ※	≤ 30uA
	Maximal continuous charging current	8A
	Maximal continuous discharging current	8A
	Balance current for single cell ※	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell ※	4.2V±0.05V
	Over charge detection voltage ※	4.25±0.05V
	Over charge detection delay time ※	0.5S—2S
	Over charge release voltage	4.15±0.1V
Over discharge protection (single cell)	Over discharge detection voltage ※	2.7±0.05V
	Over discharge detection delay time ※	10—200ms
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	Discharge Over current detection current ※	18±3A
	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	≤ 30mΩ
Temperature	high temperature discharge protection	/
	Operating Temperature Range	-40~+85°C
	Storage Temperature Range	-40~+125°C

SIZE: L50 *W21 *T3 mm

NTC: / Temperature switch: / °C (the batteries temperature) Weak current switch: / Activation Method: /

P+=Charge+/Discharge+ SIZE:L50*W21*T3mm
 P- =Charge-/Discharge-



Note:

- 1,The connection diagram for reference.May have a little difference with the real model. When you prepare assembly, you can double check the connection plan with us firstly!
- 2,When using this product, anti-static measures must be prepared! Connect to the battery as shown on the right !
- 3,Please avoid mechanical damage protection PCM! And use PCM within specifications!
- 4, Note that the use of lead, iron, tin slag, etc. Do not touch the circuit board, may damage the circuit PCM!
- 5,If something goes wrong, please contact us!
- 6,※ Denotes the required test items. ☆denotes sampling test.The unsigned ones are the reference items!