

# ORION<sup>®</sup>

## PCM Specifications

Model: BMS 101 (Li-ion 2S8A)

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 8.4V CC/CV (4.2v/Cell) 2s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤20uA
	Maximal continuous charging current	8A
	Maximal continuous discharging current	8A
	Balance current for single cell	/
Over-charge Protection (single cell)	Balance voltage for single cell	/
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.05±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	15±3A
	Detection delay time	5ms—20ms
	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	≤65mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L40 \*W17 \*T3.5 mm

NTC: /    Temperature switch: /    Weak current switch: /    Activation Method: /

