

ORION[®]

PCM Specifications

Model: BMS - A405 (Li-ion 4S-6A)

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 16.8V CC/CV (4.2v/Cell) 1S
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤40uA
	Maximal continuous charging current	6A
	Maximal continuous discharging current	6A
	Balance current for single cell	/
Over-charge Protection (single cell)	Balance voltage for single cell	/
	Over charge detection voltage	4.25±0.050V
	Over charge detection delay time	500-1500mS
	Over charge release voltage	4.13±0.05V
Over discharge protection (single cell)	Over discharge detection voltage	2.7±0.10V
	Over discharge detection delay time	500-1500mS
	Over discharge release voltage	3±0.20V
Current protection (Battery pack)	ChargeOver current detection current	10-100A
	Detection delay time	15-20A
	Discharge Over current detection current	15-25A
	Detection delay time	500-1500mS
	Release condition	Cut load/Remove charge
Discharge Short protection	Detection condition	Exterior short circuit
	Detection delay time	100-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤40mΩ
Temperature	Operating Temperature Range	-40~+65℃
	Storage Temperature Range	-40~+125℃

SIZE: L35 *W35*T8 mm

NTC:10K Temperature switch: / Weak current switch: / Activation Method: /

