

# ORION<sup>®</sup>

## PCM Specifications

Model: BMS 500 (Li-ion 5S7A) ver: A

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 21V CC/CV (4.2v/Cell) 5s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤10uA
	Maximal continuous charging current	7A
	Maximal continuous discharging current	7A
Over-charge Protection (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)	Discharge Over current detection current	25±5A
	Detection delay time	5ms—50ms
	Release condition	Cut load, Auto Recover
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤65mΩ
Temperature	high temperature discharge protection	/
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L85.3 \*W16 \*T2.8 mm

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

