

Model: BMS -A1003(Li-ion 10S-40A)		
Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 42V CC/CV (4.2v/Cell) 1S
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD >Sleep Current	≤80uA
	Maximal continuous charging current	40A
	Maximal continuous discharging current	40A
	Balance current for single cell	28±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2±0.025V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	1500±300mS
	Over charge release voltage	4.19±0.05V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.10V
	Over discharge detection delay time	500-2000mS
	Over discharge release voltage	3.0±0.20V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	100-130A
	Detection delay time	100±50mS
	Release condition	Cut load
Discharge Short protection	Detection condition	Exterior short circuit
	Detection delay time	230-500us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤60mΩ
Temperature	Operating Temperature Range	-40~+65℃
	Storage Temperature Range	-40~+125℃

SIZE: L75*W58*T18mm

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

