

Model: BMS 1001 (Li-ion 10S-5A)

Test item (Test at normal temperature 25±2°C)		Criterion
Voltage	Charging voltage	DC: 42V CC/CV (4.2v/Cell) 10s
Capacity	Designing battery capacity (PCM)	/
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤150uA
	Maximal continuous charging current	5A
	Maximal continuous discharging current	25A
	Balance current for single cell	68±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	2.75±0.1V
	Over discharge detection delay time	150—300mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	Charge Over current detection current	/
	Detection delay time	/
	Discharge Over current detection current	100±20A
	Detection delay time	100ms—300ms
	Release condition	Cut load, Auto Recover
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-800us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤30mΩ
Temperature	Operating Temperature Range	-40~+70°C
	Storage Temperature Range	-40~+125°C

SIZE: L70 *W36 *T 19 mm

NTC: / Temperature switch: 65°C Weak current switch: / Activation Method: /

Size: L70*W36*T19mm B+=P+=Charge+/Discharge+
CH=Charge-
P-=Discharge-

