



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: AY-LB10S19A-T006 (LB-10S20A)

Test item (Test at normal temperature 25±2℃)		Criterion
Communication Interface		SMBUS
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	≤860uA
	Maximal continuous charging current	20A
	Maximal continuous discharging current	20A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.30±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.10±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	0.5—2S
	Over discharge release voltage	3.0±0.1V
Over current protection	Discharge Over current detection current	20±3A
	Detection delay time	0.5S—2S
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Protection circuitry (MOSFET)	≤ 30mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L90*W35*T7.5 mm

NTC: 10KNTC B=3435 75℃ cut off Temperature switch: / Weak current switch: / Activation Method:/

