



AYAA TECHNOLOGY CO.,LTD  
PCM Specifications

Model: AY-LB4S12A-T005-LB4S10A

Test item (Test at normal temperature 25±2°C )		Criterion
Communication Interface		SMBUS BQ40Z50
Voltage	Charging voltage	DC: 16.8V CC/CV (4.2V/Cell) 4s
Capacity	Designing battery capacity (PCM)	32Ah
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD >Sleep Current	≤160uA
	Maximal continuous charging current	12A
	Maximal continuous discharging current	12A
	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	4.25V ±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	2.5±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	30±5A
	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)	≤ 20mΩ
Temperature	Operating Temperature Range	-40~+85°C
	Storage Temperature Range	-40~+125°C

SIZE: L60\*W35\*T7mm

NTC: 10KNTC B=3435

Temperature switch: /

Weak current switch: /

Activation Method:/

