



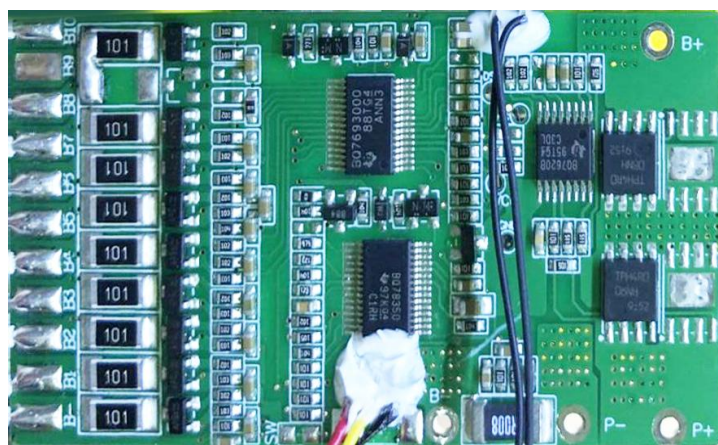
AYAA TECHNOLOGY CO.,LTD

PCM Specifications

| Model: AY-LB10S5A-T013 | | Ver: A |
|--|---|-----------------------------------|
| Test item (Test at normal temperature 25±2℃) | | Criterion |
| Communication Interface | | SMBUS |
| Voltage | Charging voltage | DC: 37.8V CC/CV (4.2v/Cell) 9s |
| Capacity | Designing battery capacity (PCM) | /Ah |
| Supply Current | Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current | ≤860uA |
| | Low-power operating mode current: Fuel gauge in SLEEP mode. ILOAD < Sleep Current | ≤430 uA |
| | Low-power operating mode current: Fuel gauge in FULLSLEEP mode. ILOAD < Sleep Current | ≤12uA |
| | Maximal continuous charging current | 4.5A |
| | Maximal continuous discharging current | 4.5A |
| | Balance current for single cell | 42±10mA |
| Over-charge Protection (single cell) | Balance voltage for single cell | 4.0V±0.05V |
| | Over charge detection voltage | 4.30±0.05V |
| | Over charge detection delay time | 0.5S—2S |
| Over discharge protection (single cell) | Over charge release voltage | 4.10±0.1V |
| | Over discharge detection voltage | 2.8±0.05V |
| | Over discharge detection delay time | 0.5S—2S |
| Current protection (Battery pack) | Over discharge release voltage | 3.0±0.1V |
| | ChargeOver current detection current | 10±3A |
| | Detection delay time | 0.5S—2S |
| | Discharge Over current detection current | 20±5A |
| | Detection delay time | 0.5S—2S |
| Short protection | Release condition | Cut load, Auto Recovery |
| | Detection condition | Exterior short circuit |
| | Detection delay time | 200-600us |
| Resistance | Release condition | Cut load |
| | Main loop electrify resistance | ≤ 30mΩ |
| Temperature | discharge temperature protection | -10~+65℃ |
| | charge temperature protection | 0~+60℃ |
| | Operating Temperature Range | -40~+85℃ |
| | Storage Temperature Range | -40~+125℃ |

SIZE: L65*W35*T5 mm

NTC: 10KNTC B=3435 Temperature switch: / °C (the batteries temperature) Weak current switch: / Activation Method: /



Each time the PCM is assembled on the battery pack, the two pads of SW must be short-circuited for 2 seconds to activate the communication.

Prepared: Cassie 2019-5-14

Checked:

Approved:

Form number: AY-ENBG-007A0