



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-L04S20-E22

| No. | Test item (Test at normal temperature 25±2°C and relative humidity≤90%) | | Criterion |
|-----|----------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------|
| 1 | Communication Interface | | SMBUS |
| 2 | Voltage | Charging voltage | DC: 13.8V~16.8V CC/CV (3.45V~4.2V/Cell) 4s |
| | | Cell-balance detection voltage (Charge balance) | can be adjusted by required |
| | | Cell-balance detection delay time | 0.5S—2S |
| 3 | Current | Normal operating-mode current (Gas Gauge IC) | 600 uA (average) |
| | | SLEEP operating-mode current (Gas Gauge IC) | 350 uA (average) |
| | | Maximal continuous charging current | 5-20A |
| | | Maximal continuous discharging current | 5-20A |
| 4 | Over charge Protection (single cell) | Over charge detection voltage | 3.6-4.35V |
| | | Over charge detection delay time | 0.5S—2S |
| | | Over charge release voltage | 3.4-4.15V |
| 5 | Over discharge protection (single cell) | Over discharge detection voltage | 2.0-3.0V |
| | | Over discharge detection delay time | 150—300mS |
| | | Over discharge release voltage | 2.3-3.2V |
| 6 | Over current protection (Battery pack) | Over current detection current | 15-60A |
| | | Detection delay time | 50ms—300ms |
| | | Release condition | Cut load,Auto Recovery |
| 7 | Short protection | Detection condition | Exterior short circuit |
| | | Detection delay time | 200-800us |
| | | Release condition | Cut load,Auto Recovery |
| 8 | Resistance | Protection circuitry (MOSFET) | ≤50m Ω |
| 9 | Temperature | Operating Temperature Range | -40~+85°C |
| | | Storage Temperature Range | -40~+125°C |

SIZE: L78*W52*T8.5mm

NTC: 10K NTC *3PCS

Temperature switch: /

Weak current switch: /

Activation Method:/

