



# AYAA TECHNOLOGY CO.,LTD

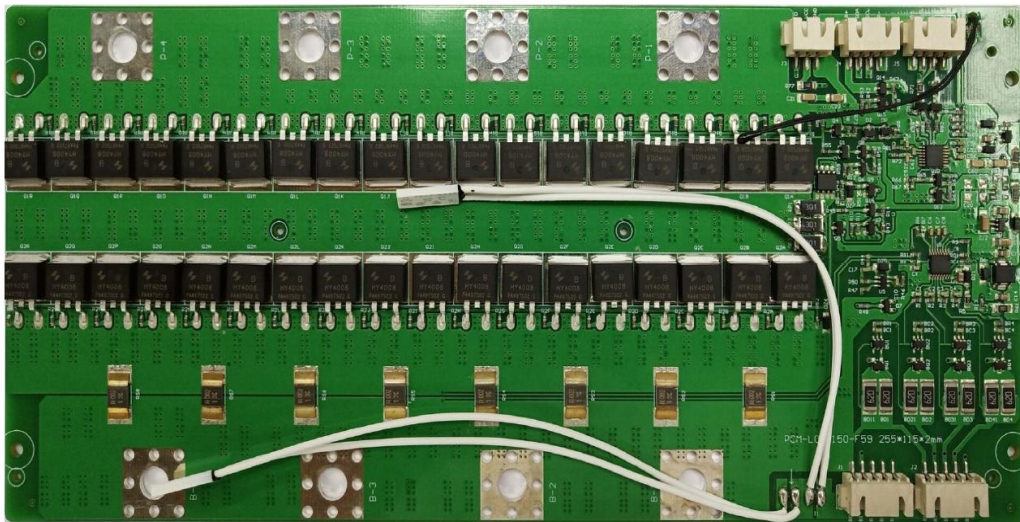
## PCM Specifications

Model: PCM-L04S150-F59 (4S) ver: A

| Test item (Test at normal temperature 25±2℃ ) |                                                                                 | Criterion                         |
|-----------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------|
| Voltage                                       | Charging voltage                                                                | DC: 16.8V CC/CV<br>(4.2v/Cell) 4s |
| Supply Current                                | Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current | ≤50uA                             |
|                                               | Maximal continuous charging current                                             | 150A                              |
|                                               | Maximal continuous discharging current                                          | 150A                              |
|                                               | 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                                                   | 4.25±0.025V                       |
|                                               | Over charge detection delay time                                                | 0.5S—2S                           |
|                                               | Over charge release voltage                                                     | 4.05±0.05V                        |
| Over discharge protection (single cell)       | Over discharge detection voltage                                                | 2.5±0.07V                         |
|                                               | Over discharge detection delay time                                             | 0.5S—2S                           |
|                                               | Over discharge release voltage                                                  | 3.00±0.1V                         |
| Current protection (Battery pack)             | Discharge Over current detection current                                        | 400±50A                           |
|                                               | Detection delay time                                                            | 50ms—300ms                        |
|                                               | Release condition                                                               | Cut load, Auto Recovery           |
| 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~+85℃                          |
|                                               | Storage Temperature Range                                                       | -40~+125℃                         |

SIZE: L255\*W115\*T15 mm

NTC: / Temperature switch: 65℃/90℃ Weak current switch: / Activation Method: /



Prepared: Emily 2019-12-12

Checked:

Approved: