

ORION[®]

PCM Specifications

Model: BMS 303 (LI-4S15A)

| Test item (Test at normal temperature 25±2℃) | | Criterion |
|--|---|-----------------------------------|
| Voltage | Charging voltage | DC: 16.8V CC/CV (4.2v/Cell) 4S |
| Capacity | Designing battery capacity (PCM) | /mAh |
| Supply Current | Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current | ≤50uA |
| | Maximal continuous charging current | 15A |
| | Maximal continuous discharging current | 15A |
| | Balance current for single cell | 67±10mA |
| Over-charge Protection (single cell) | Balance voltage for single cell | 4.2V±0.05V |
| | Over charge detection voltage | 4.25V±0.025V |
| | Over charge detection delay time | 0.5S—1.5S |
| | Over charge release voltage | 4.05V±0.05V |
| Over discharge protection (single cell) | Over discharge detection voltage | 2.80V±0.08V |
| | Over discharge detection delay time | 50—150mS |
| | Over discharge release voltage | 3.0±0.10V |
| Current protection (Battery pack) | Charge Over current detection current | / |
| | Detection delay time | / |
| | Discharge Over current detection current | 35±5A |
| | Detection delay time | 5ms—50ms |
| | Release condition | Cut load, Auto Recovery |
| Short protection | Detection condition | Exterior short circuit |
| | Detection delay time | 200-600us |
| | Release condition | Cut load |
| Resistance | Main loop electrify resistance | ≤20mΩ |
| Temperature | high temperature discharge protection | 60℃ |
| | Operating Temperature Range | -40~+85℃ |
| | Storage Temperature Range | -40~+125℃ |

SIZE: L56*W48 *T4 mm

NTC: / Temperature switch: 60℃ (the batteries temperature) Weak current switch: / Activation Method: /

