

Protection Circuit Module Specifications For 12.8V LiFepo4 Battery Pack

model: PCM-L4S100-253(A-1) (4S)

| no | Test item | Criterion | |
|----|---------------------------|--|------------------------|
| 1 | Voltage | Charging voltage | DC:14.4V 3.6V/Cell |
| | | Balance voltage for single cell | 3.60±0.025V |
| 2 | Current | Balance current for single cell | 215±10mA |
| | | Current consumption | ≤20 μ A |
| | | Maximal continuous charging current | 100A |
| | | Maximal continuous Discharging current | 100A |
| 3 | Over charge Protection | Over charge detection voltage | 3.90±0.025V |
| | | Over charge detection delay time | 0.5S—2S |
| | | Over charge release voltage | 3.80±0.025V |
| 4 | Over discharge protection | Over discharge detection voltage | 2.00±0.05V |
| | | Over discharge detection delay time | 80mS—200mS |
| | | Over discharge release voltage | 2.3±0.05V |
| 5 | Over current protection | Over current detection voltage | 0.62V |
| | | Over current detection current | 180±20A |
| | | Detection delay time | 5ms—20ms |
| | | Release condition | Cut load |
| 6 | Short protection | Detection condition | Exterior short circuit |
| | | Detection delay time | 200-500us |
| | | Release condition | Cut load |
| 7 | Resistance | Protection circuitry (MOSFET) | ≤20m Ω |
| 8 | Temperature | Operating Temperature Range | -40~+85℃ |
| | | Storage Temperature Range | -40~+125℃ |

P+=Charge+/Discharge+

P- =Charge-/Discharge-

SIZE:L220*W110*T26mm

