

# Protection Circuit Module Specifications For 25.6V LiFePO4 Battery Packs

Model: PCM-LFP10AS8

| No. | Test item                               |  | Criterion                    |
|-----|---|--|------------------------------|
| 1   | Voltage                                 | Charging voltage                       | DC: 28.8V CC/CV (3.6V/1cell) |
|     |   | Balance voltage for single cell        | 3.6V±0.03V                   |
| 2   | Current                                 | Balance current for single cell        | 36mA±5mA                     |
|     |   | Current consumption for single cell    | ≤20 μA                       |
|     |   | Maximal continuous charging current    | 8A                           |
|     |   | Maximal continuous discharging current | 8A                           |
|     |   |  |                              |
| 3   | Over charge Protection (single cell)    | Over charge detection voltage          | 3.90±0.025V                  |
|     |   | Over charge detection delay time       | 0.5S—2S                      |
|     |   | Over charge release voltage            | 3.80±0.05V                   |
| 4   | Over discharge protection (single cell) | Over discharge detection voltage       | 2.0±0.1V                     |
|     |   | Over discharge detection delay time    | 100—250ms                    |
|     |   | Over discharge release voltage         | 2.3±0.1V                     |
| 5   | Over current protection                 | Over current detection voltage         | 0.6±0.1V                     |
|     |   | Over current detection current         | 30±5A                        |
|     |   | 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 (B- TO P-)        | ≤20mΩ                        |
| 8   | Temperature                             | Operating Temperature Range            | -40~+85℃                     |
|     |   | Storage Temperature Range              | -40~+125℃                    |

L80\*W50\*T6mm

