

Protection Circuit Module Specifications For 12.8V LiFePO4 Battery Packs

Model: BAC148

| No. | Test item | | Criterion |
|-----|---------------------------|--|------------------------|
| 1 | Voltage | Charging voltage | DC:114.4V 3.6V/Cell |
| | | Balance voltage for single cell | 3.60±0.025V |
| 2 | Current | Balance current for single cell | 36±5mA |
| | | Low Current consumption | ≤20 μA |
| | | Maximal continuous charging current | 30A |
| | | Maximal continuous Discharging current | 30A |
| 3 | Over charge Protection | Over charge detection voltage | 3.65±0.025V |
| | | Over charge detection delay time | 0.5—1.5S |
| | | Over charge release voltage | 3.50±0.05V |
| 4 | Over discharge protection | Over discharge detection voltage | 2.50±0.08V |
| | | Over discharge detection delay time | 50—150mS |
| | | Over discharge release voltage | 3.0±0.1V |
| 5 | Over current protection | Over current detection voltage | 0.10±0.015V |
| | | Over current detection current | 100±20A |
| | | Detection delay time | 10ms—30ms |
| | | Release condition | Cut load |
| 6 | Short protection | Detection condition | Exterior short circuit |
| | | Detection delay time | 100-500μS |
| | | Release condition | Cut load |
| 7 | Resistance | Protection circuitry | ≤20m Ω |
| 8 | Temperature | Operating Temperature Range | -40~+85°C |
| | | Storage Temperature Range | -40~+125°C |

P+=B+=Charge+/Discharge+

P-=Charge-/Discharge-

Size:L60*W60*T5mm

