

POWER-XTRA

Model : Power-Xtra LiFePO4 PCM/BMS 12.8V (4 Cell) 10A_ PXX-4S20A-454 (4S)

Stock Code : 900.600.501.164

| No. | Test item | Criterion | |
|-----|---------------------------|--|---------------------------------|
| 1 | Voltage | Charging voltage | DC: 14.4V CC/CV |
| | | Balance voltage for single cell | 3.6±0.05V |
| 2 | Current | Balance current for single cell | 36±5mA |
| | | Current consumption | ≤50μA |
| | | Maximal continuous charging current | 10A |
| | | Maximal continuous Discharging current | 10A |
| 3 | Over charge Protection | Over charge detection voltage for single cell | 3.65±0.025V |
| | | Over charge detection delay time | 500ms—1500ms |
| | | Over charge release voltage for single cell | 3.48±0.05V |
| 4 | Over discharge protection | Over discharge detection voltage for single cell | 2.32±0.08V |
| | | Over discharge detection delay time | 500ms—1500ms |
| | | Over discharge release voltage for single cell | 2.58±0.1V |
| 5 | Over current protection | Over current detection voltage | 0.1±0.025V |
| | | Over current detection current | 30±5A |
| | | Detection delay time | 500ms—1500ms |
| | | Release condition | Cut load or Charging Activation |
| 6 | Short protection | Detection condition | Exterior short circuit |
| | | Detection delay time | 200-500us |
| | | Release condition | Cut load or Charging Activation |
| 7 | Resistance | Protection circuitry (MOSFET) | ≤50mΩ |
| 8 | Temperature | Operating Temperature Range | -20 ~ +70°C |
| | | Storage Temperature Range | -40 ~ +125°C |
| | | Temperature protection | 10K NTC |
| 9 | Dimension | L67mm x W34mm x T6.5mm | |

The photos is only wiring diagram , please refer to actual products

