



Specification For LFP04 Battery

| | | |
|--------------------------------|------------------|-------|
| TECHNICAL SPECIFICATION | Nominal Voltage | 12.8V |
| | Nominal Capacity | 12Ah |
| | | |

| No | Item | Condition | Specification |
|----|------------------------------|---|---------------|
| 1 | Chemistry | | LFPO4 |
| 2 | Charging | Cut Off voltage | 14.6 ± 0.05V |
| 3 | | Release voltage | 14.4 ± 0.1V |
| 4 | | Max Charging voltage | 15V |
| 5 | Discharging | Cut Off voltage | 8.2 ± 0.1V |
| 6 | | Release voltage | 9.2 ± 0.1V |
| 7 | | | |
| 8 | Current | Over Charging current | 10A |
| 9 | | Over Discharging current | 10A |
| 10 | Short detection | Short detection delay time | 100~350us |
| 11 | | Release Conditions | Cut off load |
| 12 | Temperature protection | Charge temperature protection | -10°C ~ +50°C |
| 13 | Temperature protection | Discharge temperature protection | -10°C ~ +50°C |
| 14 | Self Discharge | In Three Months | <3% |
| 15 | IR resistance | Battery | ≤22.00 mΩ |
| 16 | Suggested working conditions | Max continuous charge/discharge current | 5A / 5A |
| 17 | | Working temperature | -10°C ~ +45°C |
| 18 | NTC | NTC (-20 ~ +40)°C | Inbuilt |
| 19 | Cycles Life | 80% DOD | >2500 |
| 20 | Storage | Temperature | -10°C ~ +50°C |
| 21 | Weight | Approx. | 1.2 Kg |
| 22 | Dimensions | L-160mm (±05mm) X W-80mm (±05mm) X H-75mm (±05mm) | |
| 23 | Compliances Specifications | ISO 9001:2015 | |