

Technical specification

Winston LFP040AHA cell





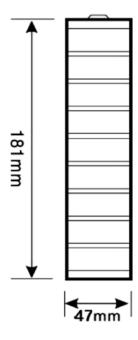
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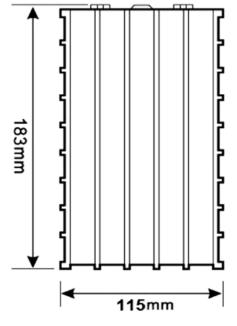


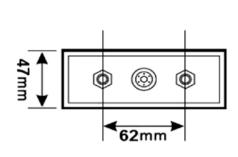
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Winston LFP040AHA cell

| Specifications | | |
|------------------------------------------|---------------------|------------------------------------------------------------------------------------|
| Model name | LFP040AHA | Alternative product marking TS-LFP40AHA, WB-LYP40AHA |
| Nominal voltage | 3.3 V | Operating voltage under load is 3.0 V |
| Capacity | 40 AH | +/- 5% |
| Operating voltage | max 4.0V - min 2.8V | At 80% DOD |
| Deep discharge voltage | 2.5 V | The cells is damaged if voltage drops bellow this level |
| Maximal charge voltage | 4 V | The cells is damaged if voltage exceeds this level |
| Optimal discharge current | < 20 A | 0.5 C |
| Maximal discharge current | < 120 A | 3 C, continuous for max 15 minutes from full charge |
| Max peak discharge current | < 400 A | 10 C, maximal 5 seconds in 1 minute |
| Optimal charge current | < 20 A | 0.5 C |
| Maximal charge current | < 120 A | < 3 C with battery temperature monitoring |
| Maximal continuous operating temperature | 80 °C | The battery temperature should not increase this level during charge and discharge |
| Dimensions | 115 x 183 x 47 mm | Millimeters (tolerance +/- 2 mm) |
| Weight | 1.6 kg | Kilograms (tolerance +/- 150g) |
| Optimal torque force | 12 - 15 Nm | |



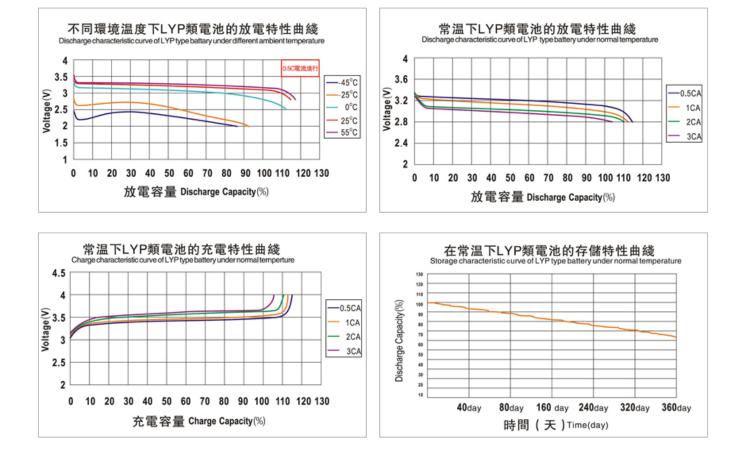




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