

Technical specification

# Winston LFP700AHA cell



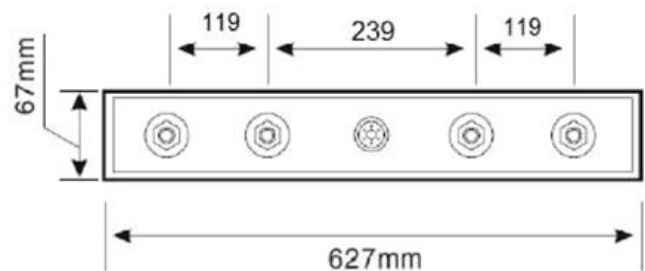
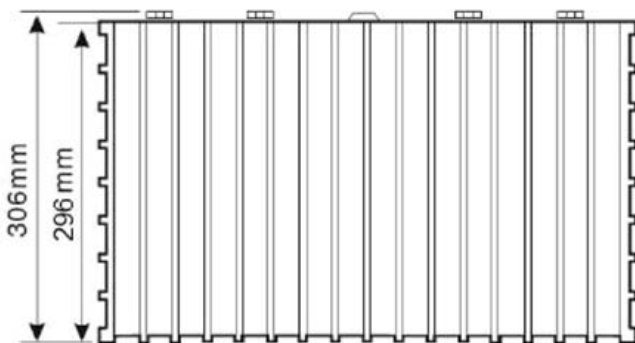
PRODUCT WEBPAGE

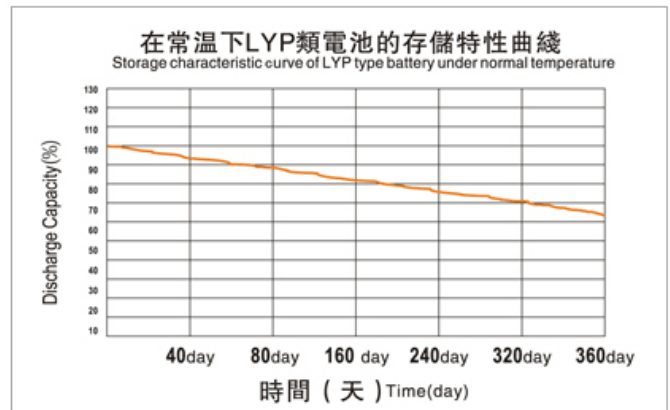
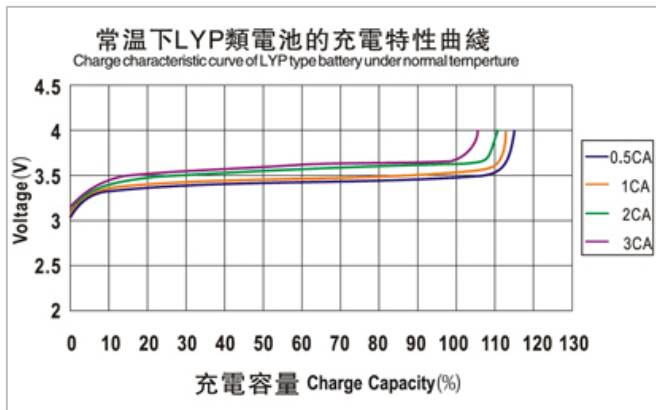
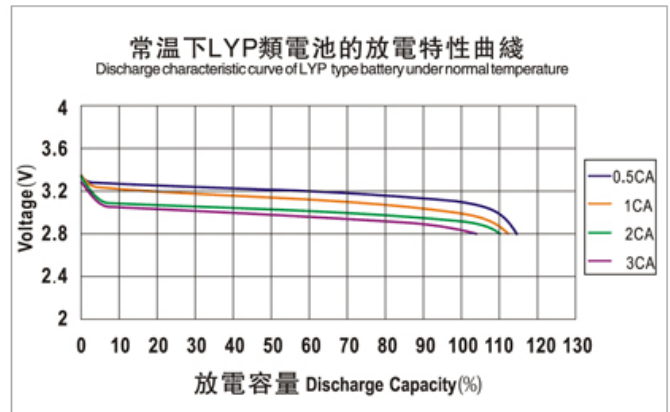
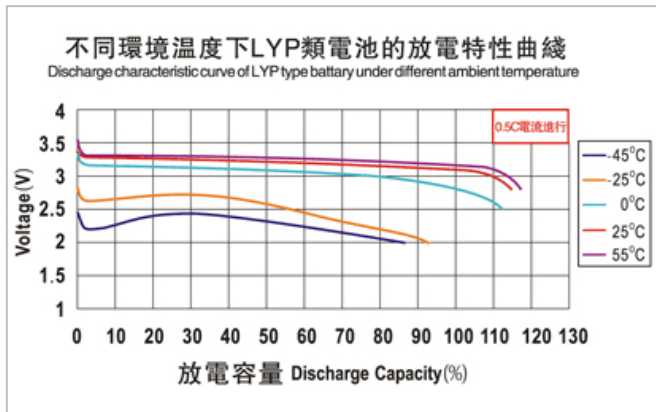


## Winston LFP700AHA cell

### Specifications

|                                          |                     |                                                                                    |
|------------------------------------------|---------------------|------------------------------------------------------------------------------------|
| Model name                               | LFP700AHA           | Alternative product marking TS-LFP700AHA, TS-LYP700AHA                             |
| Nominal voltage                          | 3.3 V               | Operating voltage under load is 3.0 V                                              |
| Capacity                                 | 700 AH              | +/- 5%                                                                             |
| Operating voltage                        | max 3.8V - 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                | < 350 A             | 0.5 C                                                                              |
| Maximal discharge current                | < 2100 A            | 3 C, continuous for max 15 minutes from full charge                                |
| Max peak discharge current               | < 7000 A            | 10 C, maximal 5 seconds in 1 minute                                                |
| Optimal charge current                   | < 350 A             | 0.5 C                                                                              |
| Maximal charge current                   | < 2100 A            | < 3 C with battery temperature monitoring                                          |
| Maximal continuous operating temperature | 65 °C               | The battery temperature should not increase this level during charge and discharge |
| Dimensions                               | 306 x 627 x 67      | Millimeters (tolerance +/- 2 mm)                                                   |
| Weight                                   | 21 kg               | Kilograms (tolerance +/- 150g)                                                     |
| Optimal torque force                     | 45 - 50 Nm          |                                                                                    |





 **PRODUCT WEBPAGE** >



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