

Technical specification

Winston LFP700AHA cell



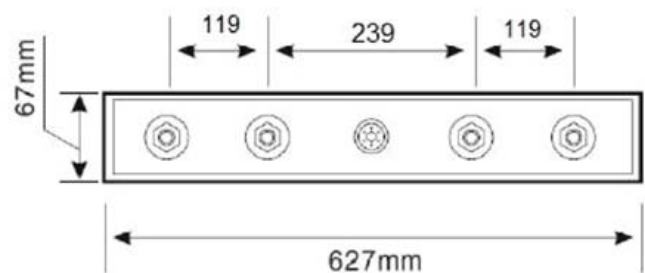
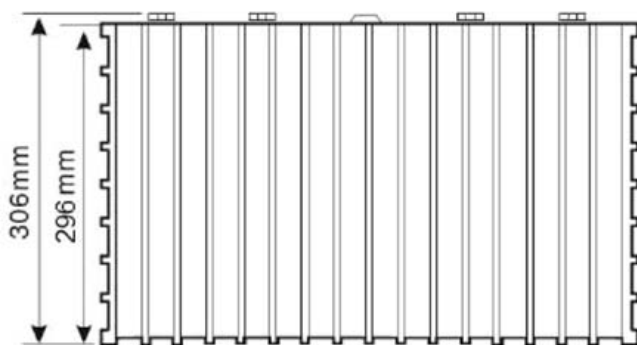
PRODUCT WEBPAGE

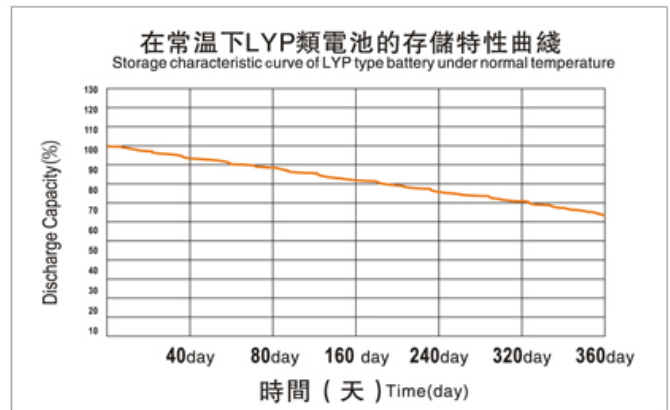
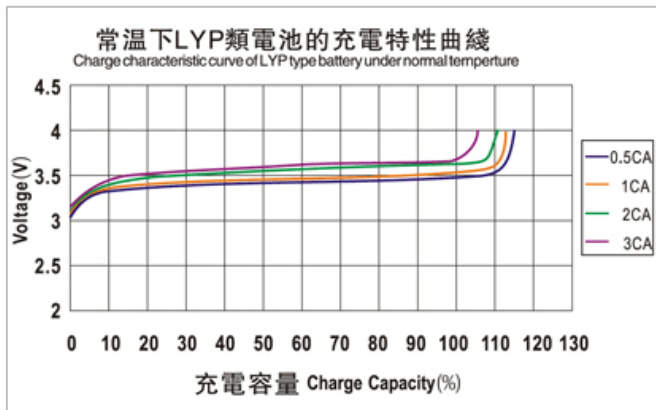
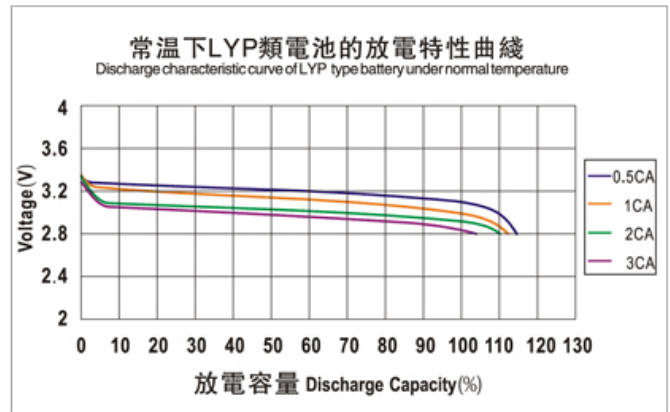
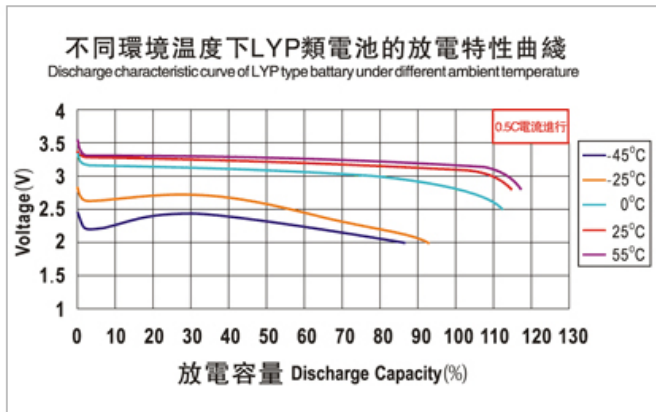


Winston LFP700AHA cell

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 3.8 V - min 2.8 V	
Deep discharge voltage	2.8 V	The cell is damaged if voltage drops below this level
Maximal charge voltage	3.8 V	The cell 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	





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