

Technical specification

Winston LFP090AHA cell

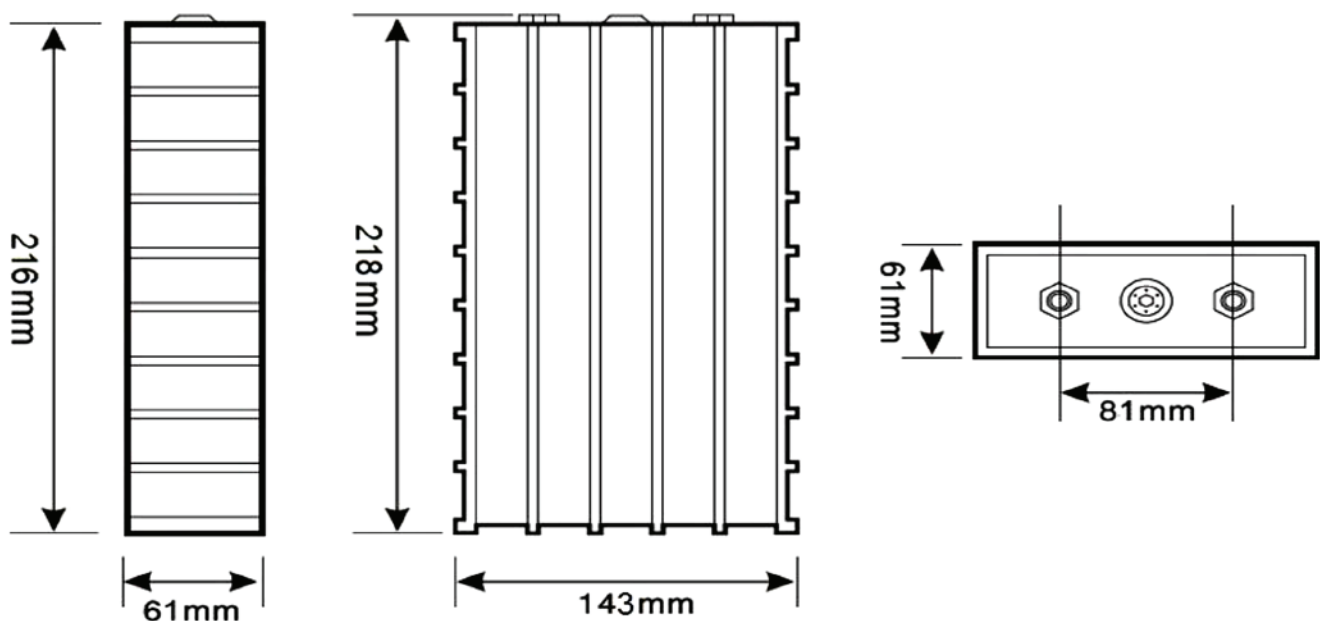


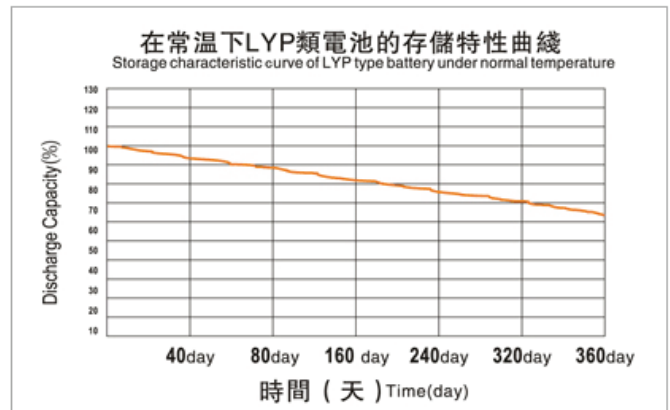
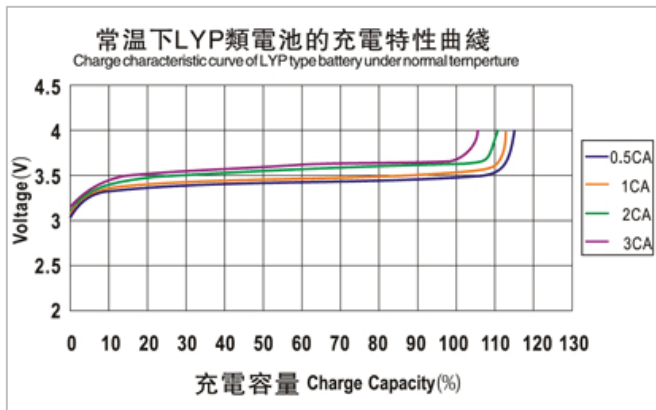
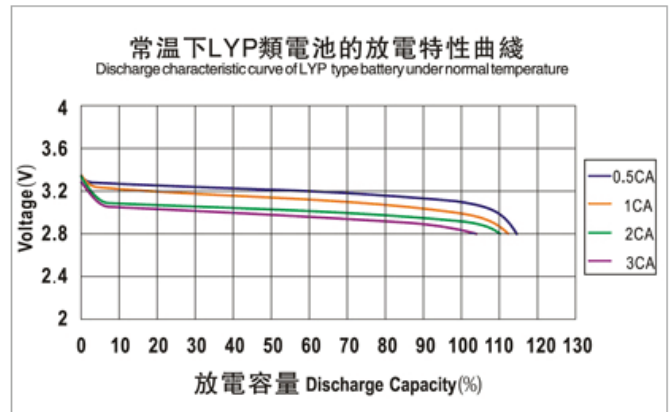
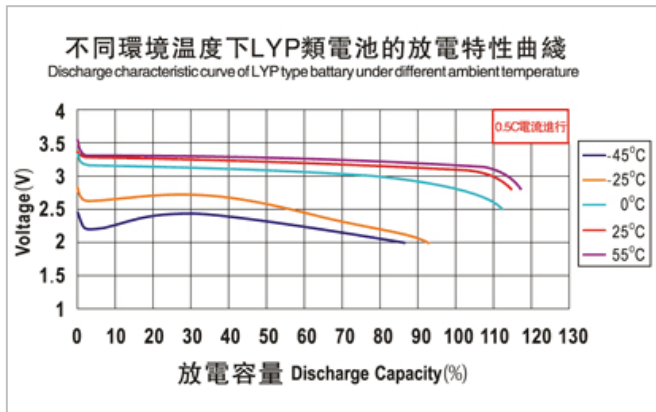
PRODUCT WEBPAGE



Winston LFP090AHA cell

Specifications		
Model name	LFP090AHA	Alternative product marking TS-LFP90AHA, WB-LYP90AHA
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	90 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	< 45 A	0.5 C
Maximal discharge current	< 270 A	3 C, continuous for max 15 minutes from full charge
Max peak discharge current	< 900 A	10 C, maximal 5 seconds in 1 minute
Optimal charge current	< 45 A	0.5 C
Maximal charge current	< 270 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	143 x 218 x 61	Millimeters (tolerance +/- 2 mm)
Weight	3 kg	Kilograms (tolerance +/- 150g)
Optimal torque force	20 - 22 Nm	





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