

Technical specification

# Winston LFP040AHA cell

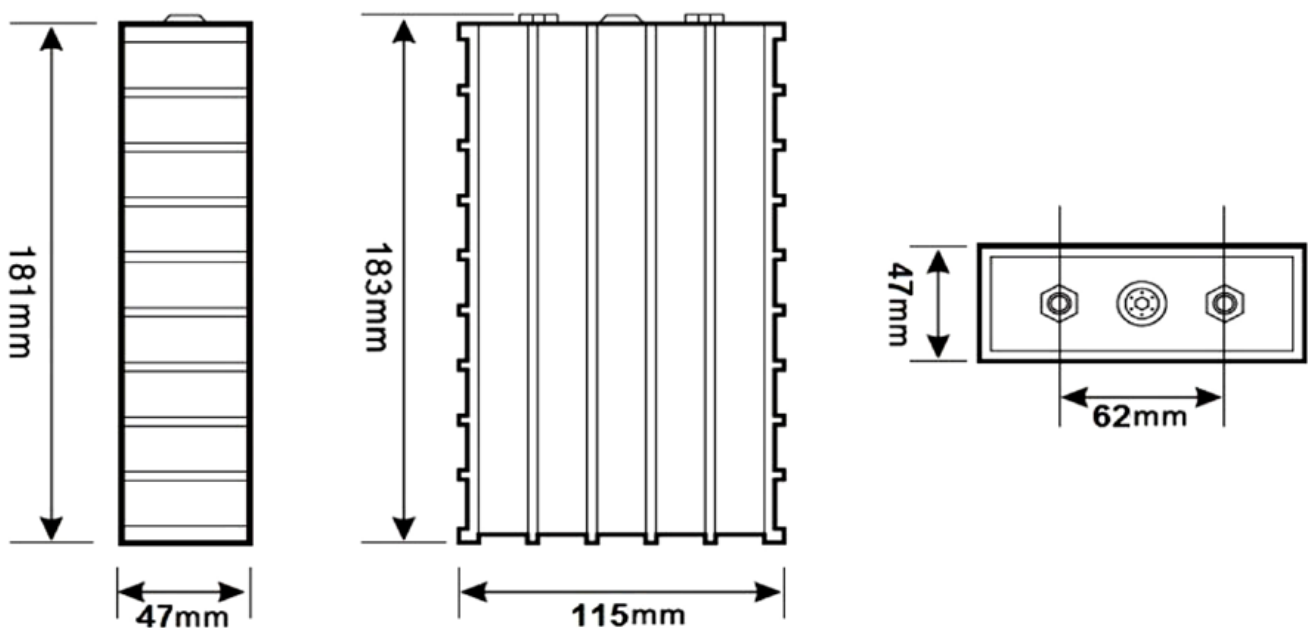


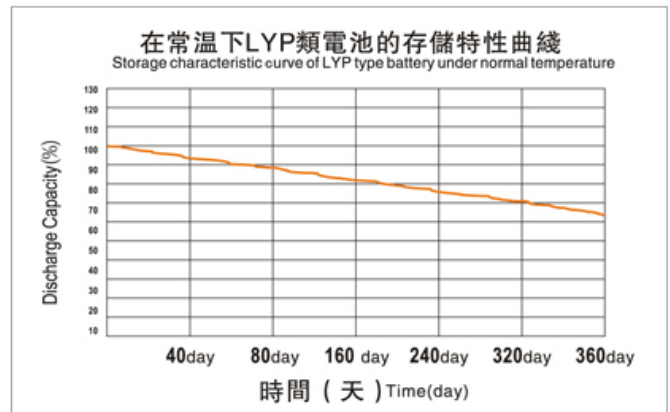
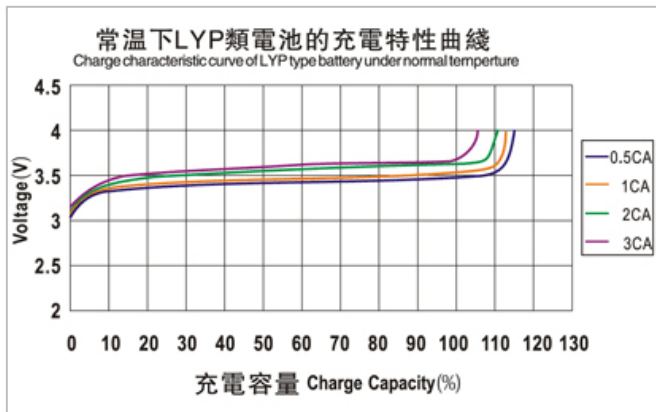
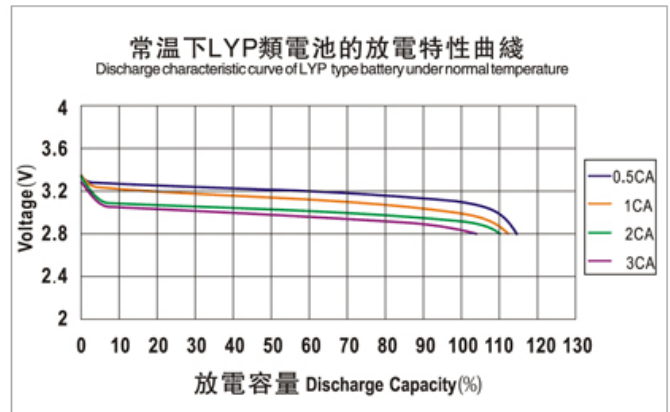
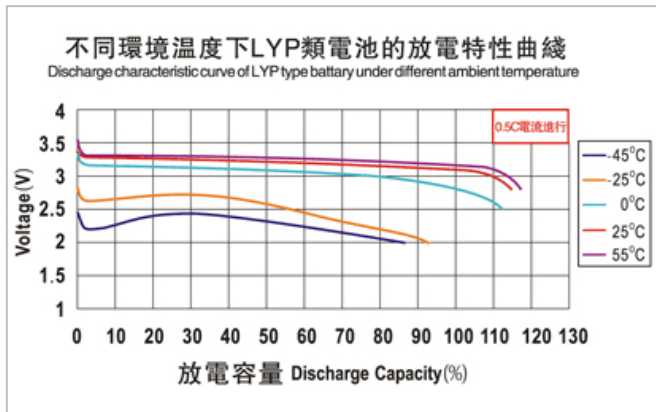
PRODUCT WEBPAGE



## 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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