

ZEO Battery Cells

24Ah 3.38V 420Wh/kg



420Wh/kg High Density Capacity



Wide Temperature Operating Range



Applications: eVTOL, drone, robot



5C Peak Discharge Rate

Model

ZE120070117A-024Ah

Dimension	Specs (mm)	
Thickness (Initial)	11.5±0.2	
Width	70.0±1.0	
Length	117.0±1.0	
Tab width	18±0.1	
Tab Length	20±1.0	
Main Parameter	Rating	Remark
Nominal Capacity	24.0 Ah	0.2 C rate, 2.3V cut-off
Minimum. Capacity	24.0Ah	
Nominal Voltage	3.38 V	
Charge Method	CC-CV	
Charge Voltage	4.25 V	
Standard charge current	0.2 C (4.8A)	
Rapid charge current	0.5 C (12A)	25±2°C
Standard charge time	>7.0 hours	
Rapid charge time	>3.0 hours	
Charging End Condition	0.02 C (0.48A)	At CV mode
Max. charge current	0.5 C (12A)	25±2°C
Max. Constant Discharge Current	2.0 C (48A)	25±2°C
Peak Discharge Current	5.0 C (120A)	≤10S
Discharge Cutoff Voltage	2.30 V	25±2°C
Cycle Life	≥80% @ 300 cycle	1 C cycle @25±2°C
Initial Impedance	≤10.0 mΩ	
Weight	192±2g	Approx. weight
Dimensions	11.5 × 70.0 × 117.0 mm	T*W*L
Voltage as of shipment	3.20~3.40 V	25±3°C
Operating Temperature	Charge Temperature	15~45°C
	Discharge Temperature	-20~55°C
Storage Temperature Range	-20~35 °C (Less than one month)	
	10~30 °C (Less than six month)	
	25±3 °C (Recommended storage temperature)	≤85% humidity