

ZEO Battery Cells

36Ah 3.70V 345Wh/kg



345Wh/kg High Density Capacity



Wide Temperature Operating Range



Applications: eVTOL, drone, robot



5C Max Discharge Rate

Model		ZE108088192A-036Ah	
Dimension		Specs (mm)	
Thickness (Initial)		≤10.8	
Width		≤88.0	
Length		≤192.0	
Tab width (+)		35±0.1	
Tab width (-)		25±0.1	
Tab pitch		40±1.0	
Main Parameter	Rating	Remark	
Nominal Capacity	36 Ah	0.2 C rate, 2.5V cut-off	
Minimum. Capacity	35 Ah		
Nominal Voltage	3.70 V		
Charge Method	CC-CV		
Charge Voltage	4.25 ±0.02V		
Standard charge current	0.2 C (7.2A)		
Rapid charge current	0.5 C (18A)	25±3°C	
Standard charge time	5.0~6.0 hours		
Rapid charge time	2.0~3.0 hours		
Charging End Condition	0.03 C (1.08A)	At CV mode	
Max. charge current	0.5 C (18A)	25±3°C	
Max. Constant Discharge Current	5.0 C (180A)	25±3°C	
Discharge Cutoff Voltage	2.50 V	25±3°C	
Cycle Life	≥80% @ 200 cycle	0.2 C cycle @25±3°C	
Resistance	≤3.0 mΩ	1kHz AC Method	
Weight	384 g	Approx. weight	
Dimensions	10.8 × 88.0 × 192.0 mm	T*W*L	
Voltage as of shipment	3.70~3.90V	25±3°C	
Operating Temperature	Charge Temperature	0~45°C	
	Discharge Temperature	-20~55°C	
Storage Temperature Range	-20~45 °C (Less than three month)		
	-20~35 °C (Longer than six month)		
	25±3 °C (Recommended storage temperature)	3.70V-3.90V, 65±20% humidity	