

25000mAh Li-Po Battery

Model: 25000mAh-6S1P – Ha Series

Type: Lithium Polymer (LiPo)

Configuration: 6S1P (6 cells in series)

Electrical Specifications

Parameter	Value
Nominal Capacity	25Ah (25,000mAh)
Nominal Voltage	23.1V
Configuration	6S1P
Max Continuous Discharge	25C (625A)
Discharge Peak Rate	25C
Charge Rate	0.5C (12.5A max recommended)
End-of-Charge Voltage	23V ± 2°C
Full Charge Cutoff Voltage	18V
Cycle Life	≥ 450 cycles (typical)

Environmental Specifications

Parameter	Value
Operating Temperature (Discharge)	-20°C to +55°C
Operating Temperature (Charge)	0°C to +45°C
Storage Temperature	-10°C to +45°C
Humidity	< 85% RH

Mechanical Specifications

Parameter	Value
Weight	About 2230g
Max Dimensions	180 × 113 × 53 mm
Case Material	Heat-shrink wrapped soft-pack
Connector Type	[To be confirmed]

Charging Instructions

- Use only a LiPo-compatible CC/CV charger
- Recommended Charging Protocol:
 - 0.5C (12.5A) constant current to Charge Voltage Limit
 - Then switch to constant voltage mode
 - Stop charging when current drops to End-of-Charge Threshold (~0.05C)
- Charging Time:
 - 80% charge: ~30 minutes
 - Full charge: ~60 minutes

Safety Instructions

- Do not puncture, crush, short-circuit, or expose to fire.
- Never charge unattended or above recommended limits.
- Store in a cool, dry place.
- Use a fireproof LiPo bag during charging.

Applications

- UAVs / Drones
- Tactical robotics
- High-power portable devices
- Industrial field equipment

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