

Hippo pro pack 51.8v 46200mAh 14S Drone battery 14S11P 500 Discha

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Battery Type Li-ion (Molicel P42A 21700) Nominal Voltage 51.8 V (14S)
Capacity 46,200 mAh / 46.2 Ah Configuration 14S11P (14 in series ×11 in parallel)
Approximate Continuous Discharge Up to 500 A Approximate Energy ~2,393 Wh (51.8 V ×46.2 Ah)
Max Charging Voltage 58.8 V (4.2 V ×14 cells) Discharge Cut-off ~42 V (~3.0 V/cell
recommended) Recommended Charge Rate <= 1C (ideal ~0.5C ? 23A) Approximate Weight
~6.5 7.0 kg (approximate; confirm actual) Approximate Dimensions e.g., 300 mm ×140 mm ×
120 mm (approximate; confirm) Connector / Wiring Customizable (e.g., XT90 / AS150 / QS8) +
high-temp silicone wiring

TECHNICAL SPECIFICATIONS

Nominal Voltage: 51.8v
Capacity: 46200mAh
Energy: 2.3kWh
Chemistry: Li-ion
Maximum / BMS Current: 23A
Product Category: 14 Cell Li-ion EFT Agri Drone Battery Pack (51.8V - 58.8V)

PRODUCT DESCRIPTION

Hippo pro pack 51.8v 46200mAh 14S Drone battery 14S11P 500 Discharge Li-ion P42A The Hippo
Pro Pack 51.8 V 46200 mAh 14S Drone Battery is a high-performance lithium-ion power solution
built for demanding UAV applications such as VTOL, eVTOL, and heavy-lift drones. Featuring
140 premium-grade Molicel P42A 21700 cells in a 14S11P configuration, this battery delivers
up to 500A continuous discharge, offering powerful thrust and extended flight time. With
over 2.3kWh of energy, excellent thermal stability, and a compact form factor, it s ideal
for long-range flights, high-load operations, and custom drone builds where efficiency,
power, and safety are critical. ? Key Features ? High voltage output (51.8 V nominal),
enabling lower current for given power, leading to higher efficiency and less heat. ? Large
capacity (46.2Ah) for extended flight durations or heavy payloads. ? Up to 500A continuous
discharge capability ideal for aggressive thrust systems and commercial UAVs. ? Built with
Molicel P42A cells, which offer around 4200 mAh capacity and continuous 45 A per cell
heads-up. ? Lower internal resistance, better thermal performance and improved cycle life
compared to many standard LiPo packs. ? Customizable specifications: connectors, wiring
gauge, balance leads and mounting hardware can be tailored to your drone build. ? Ideal
Applications Heavy-lift multirotors carrying large payloads (cameras, LiDAR, sprayers)
VTOL/eVTOL aircraft requiring high-voltage systems for efficiency Long-endurance fixed-wing
UAVs or hybrid systems Survey / mapping / delivery drones needing high capacity & high power
Experimental electric aviation / drone prototypes requiring >2kWh battery packs

