AB6 JetQuad
VTOL UAS

Vehicle Dimensions
- Width: 0.93m (37in)
- Length: 1.2m (47in)
- Height: 0.39m (15in)
- Ground Clearance: 0.12m (5in)

Mass
- Maximum Takeoff Mass: 60kg (132lb)
- Dry Mass: 24kg (52lb)
- Fuel Mass: 18 kg (40lb)
- Payload (Max): 18 kg (40lb)

Capabilities
- Single Point Hover
- High-speed Forward/Reverse Cruise
- Instant vertical ascent and descent
- All Terrain Take-off and Landing
- Weather Resilience
- Fully Customizable Platform

Flight Performance
- Cruise Speed: 110 m/s (246mph)
- Cruise Altitude (FAA): 120m (400ft)
- Vertical Ascent: 30m/s (67mph)
- Hover Time: 30min
- Flight Time: 17min
- Range (One-way): 100 km (62mi)

Propulsion
- Type: 4x Microturbine Jet-Engine
- Fuel Type: Heavy (Diesel/Jet-A/Kerosene)
- Control: 4x Thrust Vectoring System (TVS)
- Fuel Tank: 20L (5Gal)
- Power Output (Max): 150kW (200HP)
- Maintenance Interval: 25Hrs
- Start-up Time: 1min

Turn-Key Solution Cost
- $100,000 USD (Excludes Shipping)

Control Station
- Shoulder Strap Combination Unit
- Long-Range Transmitter (Control)
- 8" Tablet (Telemetry / Mission Planning)
- Mass: 1.2kg (2.6lb)
- Shipped in Leather Case
- Dimensions
  - Length: 0.32m (13in)
  - Width: 0.23 m (9in)
  - Height: 0.1m (4in)

Payload Specifications
- Allowed Mass (Max): 18 kg (40lb)
- 2X Internal Bays (Forward and Aft)
- Internal Bay (Protected)
  - Volume: 6L (366in³)
  - Length: 0.2m (8in)
  - Width: 0.3m (12in)
  - Height: 0.1m (4in)
- External Bay (Exposed - Undercarriage)
  - Volume: 36L (2256in³)
  - Length: 1.2m (47in)
  - Width: 0.3m (12in)
  - Height: 0.1m (4in)
- Onboard Power Supply: 360W
- Voltage/Current: 12V/30A
- Nose and Tail Mount Options

Links
- Uplink/Control: 2.4GHz
- Downlink/Telemetry: 980MHz

Transportation
- Reinforced Hardwood Crate
- Dimensions
  - Width: 1m (40in)
  - Length: 1.27m (50in)
  - Height: 0.46m (20in)