



# VELOCITI + SKYDIO DRONE TRAILER

PROVIDING A MOBILE, RELIABLE PLATFORM FOR DRONE OPERATIONS

## WHAT IS THE VELOCITI + SKYDIO DRONE TRAILER?

The Velociti + Skydio Drone Trailer is a self-contained, mobile platform engineered to support and enhance autonomous drone operations in any environment. Built for reliability and rapid deployment, it integrates a robust power system, advanced environmental controls, and seamless connectivity to ensure your Skydio dock is always mission-ready. From remote industrial sites to dynamic urban settings, this trailer provides the infrastructure needed for uninterrupted, intelligent drone deployment.



Ruggedized for remote operations



Starlink onboard for global connectivity



Battery + solar for off-grid deployments



Built-in back-up generator



GPS antenna for location tracking

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## TECHNICAL SPECIFICATIONS

### CORE POWER SYSTEM

- Batteries: Dual 25.6V Lithium Iron Phosphate Batteries (230Ah each)
- Total Capacity: ~11.8 kWh
- Inverter: 4kW Inverter with 120/240V split output
- Grid Charging: 65A charging at 120V, 120A charging at 240V
- Solar Power: 1.78 kw tilt adjustable (5-30°) solar array
- Diesel back-up Generator: Hatz 2kW 24v DC Tier 5 Generator

### MONITORING & CONTROL

- Automation Controller: Siemens PLC for system automation, safety interlocks, and LAN-based troubleshooting
- User Interface: Victron touchscreen interface with remote monitoring and relay control
- Remote Operations: Integrated telemetry for remote start and drone dock control

### SAFETY & PROTECTION

- Fuel Monitoring: Triple fuel sensing system (gauge, controller, remote monitoring)
- Safety Interlocks: Generator compartment door interlocks with technician override
- On-Site Safety: Three emergency stops, GFCI outlets, and integrated floodlighting

### ENVIRONMENTAL & COOLING

- Air Conditioning: Dual 600W AC units for separate drone and equipment compartments
- Construction: Zinc-coated interior panels; stainless steel and galvanized exterior available as option
- Durability: 60 mph wind rating; 32 to 122 degrees Fahrenheit operating temperature

### CONNECTIVITY

- Integrated mounts and hook-ups for the following devices:
  - Starlinks: Up to 2 Starlink Minis for redundant satellite backhaul
  - Cellular Routers: Cradlepoints or Peplinks for routing and cellular backhaul backup
  - Skydio Connect SL Radio
  - Other optional devices: PTZ cameras, weather stations
  - Primary Internet: Starlink Mini terminals powered via efficient DC-DC converters
- Drone Support: Supports Skydio X10
- Positioning: GPS antenna for location tracking and solar forecasting

### MECHANICAL & OTHER FEATURES

- Drone Dock Deployment: Motorized door and track deployment with both local and remote operation modes
- On-Site Workspace: Fold-out workbench (200 lbs. capacity) with an aluminum frame and aluminum top
- Retractable mast: 15 feet standard; Can be upfitted up to 29 feet (depending on payload)
- Fork pockets: Side and rear pockets for easy transport
- Weight & Transport: Approx. weight ~6125 lbs.; removable tongue for compact shipping

### DIMENSIONS

- Stowed: 172" L x 88" W x 110" H
- Deployed: 266" L x 171" W x 203" H