

Ground Power Unit



Key Features

The Zenith Ground Power Unit offers:

- Automated reel system
- Voltage compensation
- Wind tension compensation
- Reliable

GROUND SOLUTIONS

At Zenith, Our Tethered Unmanned Aerial Vehicles (TeUAV) utilize our in-house designed Ground Power Unit to convert 120- or 240-volt AC power into high-voltage DC power. Power is then transmitted to the TAV through a high-strength, abrasion-resistant power supply cable, or tether.

The GPU houses an interchangeable, smart tether spool in varying lengths up to 400 feet and boasts our own automated tether management system, allowing the operator to focus their full attention on operating the TeUAV and sensors.

This unit supports any of our Zenith Aerotech's TeUAVs, and can be paired with many third-party unmanned aerial vehicles. This allows the user to get the most out of already purchased platforms by giving them an added long-endurance capability.

Dimensions and Weight

Box Dimensions	31.3 x 20.4 x 15.5" / 79.5 x 51.8 x 39.4 cm
Weight	70 lbs (31.7 kg)

Power

Input Voltage	180-264 VAC (with Quad-8) 85-264 VAC (with Quad-L)
Input Frequency	47-63 Hz
Input Power	4500W Quad 8 2000W Quad L

Cable



Cable Length	Up to 400 feet
Conductor Cables	2 x 22 AWG Mil-Spec M22759/19
Fiber Optic	1 x Singlemode
Voltage Rating	600V

Voltage	
Tether Voltage (ground side)	400-500V (Compensated)
Tether Voltage (drone side input)	400V (Regulated from ground)
Drone Voltage	50V

Operation	
Setup Time	Less than 5 minutes
Portability	Telescopic handle and wheels
Back Up Battery	12V 5Ah Back Up Battery
Reel	Auto tension reel mechanism

Interface	
Connectors	1x RJ45 for communication 1x USB for charging 1x USB for debug