

TK3 Backpack Tethered Power System

TK3, a new generation of Backpack tethered power system, has been further optimized in size and weight, and it converts the 220V AC power into 400V DC and high-voltage DC power, which is transmitted to the drone through a high-performance nickel alloy power supply cable, so that the drone can achieve 24-hour uninterrupted flight. With the use of drone matrix lights, high-power gimbal lights, gimbal cameras and other mission loads, it can meet the needs of long-term and large-area emergency lighting and monitoring in complex emergency scenarios.



Product Advantages



Backpackable



Lightweight



Cable length



Work Area Lighting

Lightweight and portable

- Weight 7.5kg
- Dedicated backpack carrying
- Quick-detach tripod

Safe power supply

- Power data display
- Automatic power failure alarm
- Automatic fault prompt

Hovering during long endurance

- 24-hour drone power supply
- Hovering in the air for a long time
- Wired / wireless OTA upgrade function

Strong expansibility

- Independent control link
- Cooperate with a variety of drone mission payload

Technical Parameters

Ground station

External dimensions 356*310*229mm

Weight 7.5kg

Power 3000W (176Vac-264Vac)
1500W (90Vac-175Vac)

Cable 80m cable, Cable diameter less than 2.8mm,
over-current capacity greater than 10A, weight less than 1.2 kg/hundred meter, tensile strength greater than 20 kg, withstand voltage 600V, internal resistance less than 3.60/100m@20°C

Rated Input Voltage 90-264 VAC+10%

Rated operating frequency 50/60 Hz

Output voltage 400 VDC

Airborne system

External dimensions 150.9*59.4*81mm

Weight 320g

Power Rated 1.5 kw

Rated Input Voltage 400V

Rated operating frequency 25V

Output voltage 60A