

TE400 Tethered Power Supply System



Technical Introduction

TE400 power supply lighting system can be adapted to DJI M400 series, converting single-phase AC power into DC high voltage and transmitting it to the airborne power supply through high-performance nickel alloy power cables, continuously supplying power to the aircraft. Combined with the use of backup batteries, it can achieve 12 hours of continuous operation with an extended endurance while ensuring safe flight. Simultaneously equipped with an ultra miniature high-power lighting system.

TE400 sky-ground power supply lighting system consists of three main parts: Airborne power supply, Manual and automatic integrated cable retracting&releasing equipment and Ground lighting system, the manual and automatic integrated cable retracting&releasing equipment integrates ground power supply, high-performance power supply cables, and automatic cable retracting&releasing device. Two ways of carrying: backpack and handheld, The highly integrated ground power supply system not only provides portability, but also ensures the fast execution of automatic cable retract and release functions for 110 meter cables, while reducing cable impact and bending, making it an effective device for protecting cables.

In special applications, TE400 can support M400 as a relay for relay tasks up to 150 meters.



Technical Parameters

Ground box size	≤355mmx262mmx230mm
Ground box weight	≤8.5kg
Airborne weight	<600g
Cable length	Cable length ≥110m(lightning) Cable length ≥160m((as a repeater)
Ground power-off protection function	During the flight of the unmanned aerial vehicle (UAV), when the ground power supply is abnormally interrupted, the UAV can fly and land normally.
Whole machine control mode	The entire power supply system is fully embedded in the DJI system and can be directly controlled through the DJI Pilot2 APP on the DJI remote control, the wechat mini-program on the mobile phone or the dedicated APP

Lighting platform - Airborne

Airborne lighting size	≤300×120×40mm (unilateral)
Power supply voltage for airborne lighting	DC 24-60V
Installation method of airborne lighting	Quick installation on the bottom, lighting installation without modification to the aircraft, achieving overall disassembly and assembly within 3 seconds
Airborne lighting type	White light 6500K, red and blue flash light
The total power of the Airborne lighting	Low-voltage lighth: ≥1200W /120000LM (White light) (Customizable high-power lights)

Lighting platform - Ground

Power	≥ 400W
Ground light weight	≤300g
Control type	Mobile wechat mini-program and APP control. The switch, brightness and battle mode can be controlled, which is convenient and practical.
Installation method	Quick installation , compatible with tripods for installation, equipped with an extendable tripod, with both near and far illumination and a flashing white light.
IP protection grade	IP55

Applicable Model: DJI M400