1   Power Supply System

1.1 Introduction of Power Supply System

The DB-PS3 Tethered System is Mavic3 knapsack system, and the console of the tethered box is equipped with LED lighting system, with built-in mosquito repellent lamp; The tethered box provides a folding function that can be used when the ground is unfurled protect the tethered box by avoiding contact with the harsh ground environment;The box can be designed as a backpack. The material of the box is made of environment-friendly materials. The joint with the back of the body conforms to ergonomic design and is comfortable durable, suitable for individual long distance carrying. While high integration provides portability, the automatic take-up and pay-off function of 45m cable can also ensure the rapid deployment and return of the tethering system.It is an effective device to protect cables by reducing the impact and bending of cables. Built-in energy storage device,
in the absence of mains power can also achieve ultra-long endurance continuous work.

1.2 Technical Parameters

Item	Technical Parameters
Airborne module size	100mm*80mm*40mm
Weight	200g
Output power	400w
Box size	480mm*380mm*200mm (back frame excluded)
	480mm*380mm*220mm (back frame included)
Full load weight	10Kg
Output power	1Kw
Cable length	40m
Operation temperature	-20℃-+50°C

Cable outlet

Master control platform

Folded cable take-up hand-crank

Folded kickstand

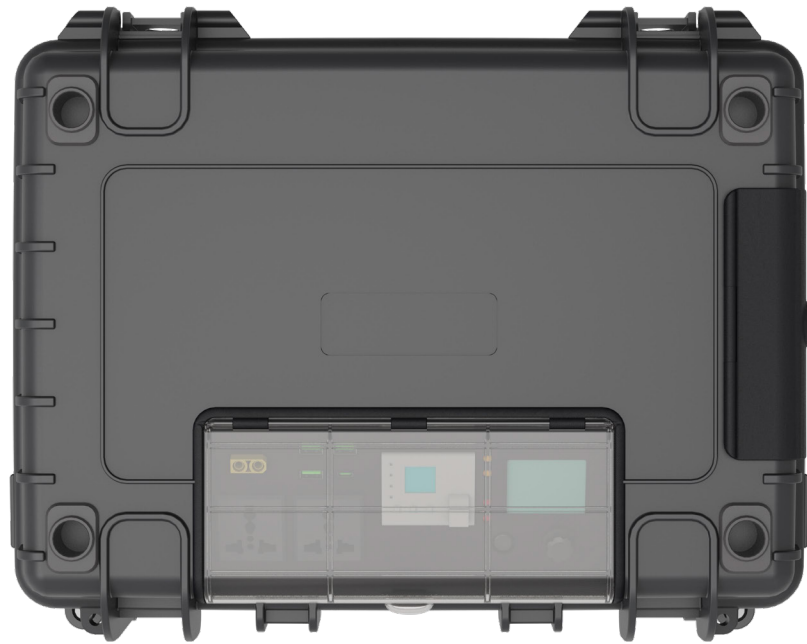Double layered design of heat dissipation outlet

Figure 1. Tether Box Component Diagram

1.3 Instruction For Use

1.3.1 Airborne and lighting installation steps:

1) Install the sky end battery into the aircraft's battery case.

2) The light quick-turn buckle is aligned to the slot at the bottom of the aircraft, and then the button is closed inward. The installation is completed when the "click" is heard.

1.3.2 Wiring Instructions

1)Connect the power cord at both ends of the light to the sky end socket.

2 Tethered Box Operation

1) Insert the power interface of the tethered box into the mobile power supply;

2) Insert the cable connector of the tether box into the sky terminal interface and rotate it clockwise, then push it up.

3) Turn on the main power switch, a long press the return button and screen to boot.

4) Put the aircraft in a safe position and take off.

Power output area

Main power switch

Screen

"Back" button   "Ok" button

3 Panel Operation Instructions

1.Turn the knob to the high voltage position, press the "OK"button,
   the power supply is turned on, and the power supply light will light up;

2.Knob to AC220V position, press the "OK"button, , the left two AC plugs
   will have electric output;

3.Turn the knob to the button of " take-up ", press the"OK"button and
   the automatic take-up will be turned on. The take-up light will light up;

4.Turn the knob to the light position, press the "OK"button, and the
   drone light will light up;

5.Turn the knob to the "setting" position, press the "OK"button and enter
   the internal interface to modify the parameters.

6.Short press first, then long press the return button to power on and off

4 NOTE:

If foreign objects enter the equipment, the power should be
immediately cut off and the operation can only continue after the
foreign objects are removed.

Attention: Manual take-up reel usage method

Pull the handle outwards with force and then push it
upwards; Do not use brute force to push the handle.