

Wired power supply unit for drone

The power supply unit can be expanded according to the load. The cable length is 100m.

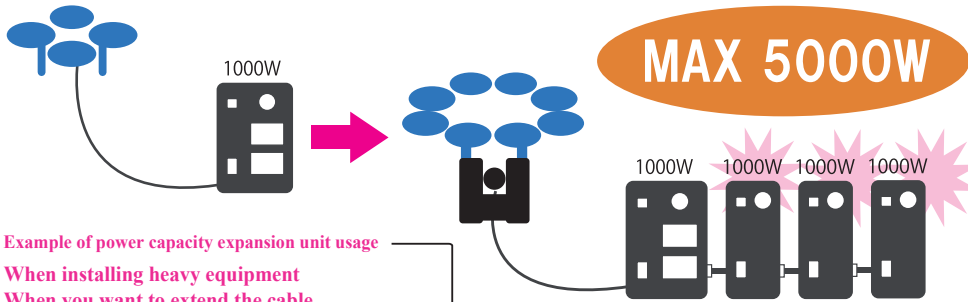


The power supply unit can be expanded up to 5 units (5000W)!



Flying powerfully with main power supply unit and power capacity expansion unit! Support for large drones

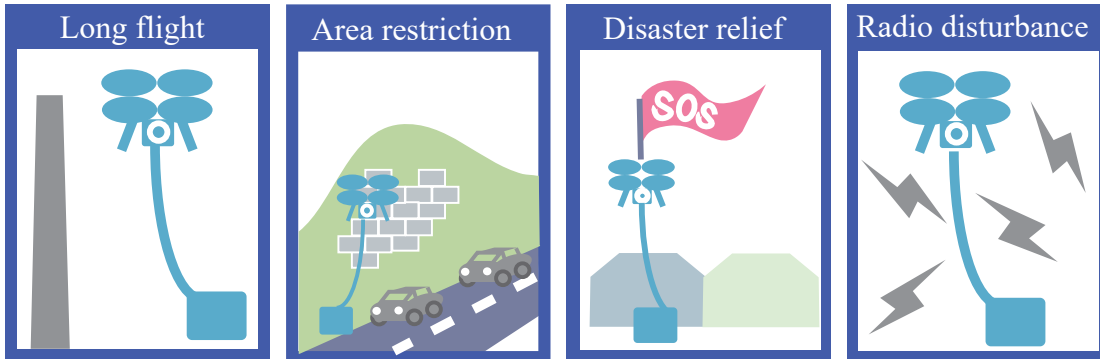
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Example of power capacity expansion unit usage

- When installing heavy equipment
- When you want to extend the cable
- For 8-rotor aircraft with high power consumption

Advantages of wired power supply drone



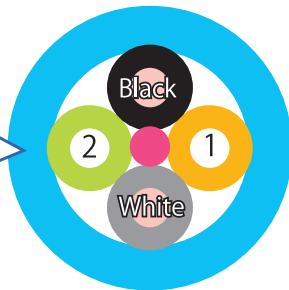
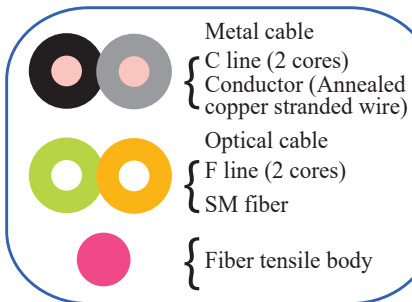
Long flight
When flying vertically, such as when checking high places, the cable will not get caught and you can fly for a long time.

Area restriction
On the wall surface along the road where the flight area is limited, the cable becomes the lead, so you can fly with confidence.

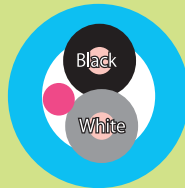
Disaster relief
If a disaster occurs, Seeking help or from the sky You can lookaround. No chargingrequired, Even during a power outage It can operate.

Radio disturbance
Because it communicates with an optical cable, it is possible to fly even on a site where it is impossible to control due to radio interference.

Cross section of wired power supply composite cable



*In addition to power supply + optical cable type, lightweight type with only electric wire is available.



Product Specifications

Name	Power Control Box II Main Power Unit
Model	FD-DS-02-M
Outline	210×350×235mm (maximum) (W×D×H)
Mass	3800 g (below)
Power input	AC100V, 50 / 60Hz
Power output	Output power: 1000W (maximum) Output voltage: DC360V ± 20V
Power supply output monitoring · Power supply abnormality detection function	(1) Output voltage monitoring • Abnormality judgment: 210V or less, 400V or more (2) Output current monitoring • Failure determination: 50 mA or less (undercurrent: disconnection detection), 7 A or more (3) Power circuit abnormality detection (overheated state, overvoltage input)
Abnormality notification · Power supply stop function	If an abnormality is detected by the power output monitoring function, "abnormality buzzer" This function rings to notify the occurrence of power supply abnormality and at the same time stops the supply of DC 360V power.
Display function during power supply	While supplying DC 360V power in normal condition, the "Power Supply" indicator lights.
Power output Monitor display function	The power supply output "voltage value" and "current value" are displayed digitally. • Simple voltage display: 0.0V to 999.9V • Current display range: 0.000A ~ 7.999A
Power output emergency stop function	In the event of an emergency, pressing the "emergency stop switch" stops the DC360V power supply. During an emergency stop, the emergency stop switch lights red. The "emergency stop switch" is also used for power supply stop operation during normal operation.
Power output capacity expansion function	By connecting a power capacity expansion unit to the main power supply unit, the power capacity can be increased. -1000W expansion per power capacity expansion unit. -Up to four power capacity expansion units can be connected. (Maximum output capacity by power capacity expansion function is 5000W) The main power supply unit and the power capacity expansion unit are connected with an "extension cable"

Please note that the listed products and specifications are subject to change without notice.

Development, manufacturing and sales

FUKADEN CORPORATION *FUKADEN*

1-19-3 Fukada-cho, Toyota City, Aichi Prefecture 471-0841

+81-565-29-3139 info@fukaden.co.jp <https://www.fukaden.co.jp>