

MYUAV® Tethered drone

Tethered Drone System Solution Provider

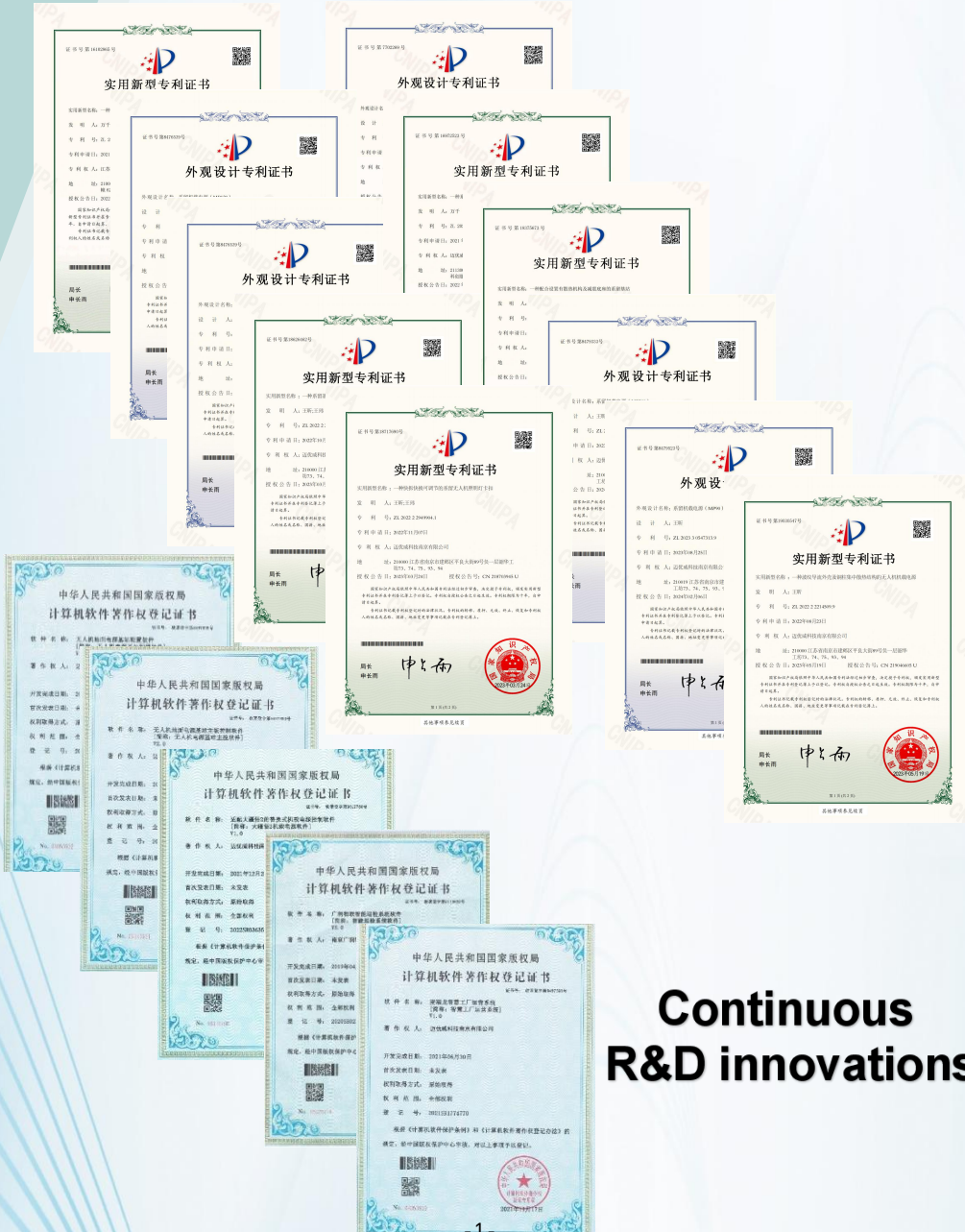


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Honor and Certification



Continuous R&D innovations

Intel-Manufacturing

PCB design



3D design



UAV design



CNC manufacturing



Software



Test



Training



Tethered Drone System



Aerial Photography Payload
Mapping and Surveying Payload
Environmental Protection and Monitor
Payload
Release and Emission Payload
Acoustic-optical Payload
Communication Relay Payload



Ultra-light cable



Gasoline generator

All-in-one
base station

Applications

Applications



森林防火

无人机搭载红外、热成像云台，完美智能识别监控火灾，尖端高清效果



反恐防爆

无人机用于大型活动安保，目标建筑保护，群体突发事件处理



海事巡查

无人机海事巡查，提升海事监管能力，打造水-岸-空海事立体监管系统



电力巡检

无人机用于电力巡检，可大幅提升电力维护和检修的速度和效率



环境保护

无人机可应用于环境监测、环境应急、生态保护等环境保护领域



国土资源

无人机应用于国土资源监管，需路路开发，环境保护与灾害防治的预见性

Usable Drones



The tethered hovering drone base station is mainly combined with a variety of commercial rotor drones and helicopters around the world to grow an endurance flight system, and realize different application scenarios through different mounts.

It can achieve 5 minutes of rapid assembly, take-off, fixed-point hovering, and extend the stagnation time to more than 12 hours

The base station can be carried and operated by a single person, and can be transferred to the destination with movable equipment such as people, vehicles, and ships.

Applications

Lighting



Sensing



Forest monitor



Surveillance



- Easy to carry, simple to operate, rapid response, autonomous flight
- Modular design enables being equipped with cameras and various sensors
- Low cost, low speed, high endurance, high flight distance, high reliability

Traveler Series

MYUAV® Tethered drone

Tethered Power System

LG35



size	46x26x41.5cm
weight	22kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V / 3.5KW
height	100m/150m/200m

Features

- ※ Automatic voltage compensation, automatic overcurrent protection
- ※ Anti -inverted electric momentum for safe landing
- ※ Isolation design to prevent electric shock
- ※ Low -current alarm for safe flight
- ※ Base station with 485 communication to display datas in real time

LG55

size	46x26x41.5cm
weight	24kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V DC / 5.5KW
height	100m/150m



Pathfinder Series

MYUAV® Tethered drone

Tethered Power System

MJ28



size	41x34x31cm
weight	22kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V / 2.8KW
height	100m/150m/200m

MJ35A



size	41x34x31cm
weight	22kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V / 3.5KW
height	100m/150m/200m

Pathfinder Series

MYUAV® Tethered drone

Tethered Power System

MJ35B



size	60x45x38cm
weight	41kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V / 3.5KW
height	200m/300m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

size	60x45x38cm
weight	43kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	420V / 750V / 5.5KW
height	150m/200m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

MJ55



Climbers Series

MYUAV® Tethered drone

Tethered Power System

MJ75



size	60.5x45x48cm
weight	50kg
input	380V AC 50Hz/60Hz
output	450V DC / 750V DC / 7.5KW
height	150m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

size	60.5x45x48cm
weight	50kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	750V DC / 10KW
height	150m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

MJ100



Climbers Series

MYUAV® Tethered drone

Tethered Power System

MJ150



size	60.5x45x48cm
weight	52kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	750V DC / 15KW
height	150m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

size	60.5x55x48cm
weight	52kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	1000V DC / 18KW
height	150m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

MJ180



Climbers Series

MYUAV® Tethered drone

Tethered Power System

MJ240



size	68.6x44.8x49.2cm
weight	56kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	1000V DC / 24KW
height	200m
features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time

size	68.6x44.8x49.2cm
weight	60kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	1000V DC / 30KW
height	200m

features	* Automatic voltage compensation, automatic overcurrent protection * Anti -inverted electric momentum for safe landing * Isolation design to prevent electric shock * Low -current alarm for safe flight * Base station with 485 communication to display datas in real time
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MJ300



DJI Series

MYUAV® Tethered drone

DJI Inspire 2 Airborne power

MP16



Parameters

- Measurement $\leq 145 \times 65 \times 112 \text{mm}$
- Weight $\leq 215 \text{g}$
- Power $\geq 1600 \text{W}$
- Carry 1110g (60% higher than normal solutions)
- Socket Inspire 2 socket
- Protection Anti-shutoff protection
- Protection Short-circuit protection
- Protection $\geq 420 \text{V(DC)}$

***Compatible with industrial drone after replacing socket**

DJI Series

MYUAV® Tethered drone

M210 V2 Airborne power

MP16B



Parameters	
• Measurement	≤131*40*88mm
• Weight	≤315g
• Power	≥1600W
• Carry	1135g
• Socket	M210 socket
• Protection	Anti-shutoff protection
• Protection	Short-circuit protection
• Protection	≥420V(DC)

***Compatible with industrial drone after replacing socket**

DJI Series

MYUAV® Tethered drone

M300 RTK Airborne power

MP25



Parameters

- Measurement $\leq 135*98*95\text{mm}$
- Weight $\leq 650\text{g}$
- Power $\geq 2500\text{W}$
- Carry 2200g
- Socket M300RTK socket
- Protection Anti-shutoff protection
- Protection Short-circuit protection
- Protection $\geq 420\text{V(DC)}$

***Compatible with industrial drone after replacing socket**

FlyCart 30 FC30 air power

FC30T



参数Parameters

- | | |
|----------------|-----------------------------------|
| • Measurement | 316×152×279mm as original battery |
| • Weight | 6.5kg |
| • Power | 20kw rated |
| • Input/Output | 1000V DC / 58.8V DC stable |
| • Socket | FlyCart 30 socket |
| • Protection | Anti-shutoff protection |
| • Protection | Short-circuit protection |
| • Rainproof | Yes |

FlyCart 30 FC30 air power

FC30S



参数Parameters

- | | |
|----------------|-----------------------------------|
| • Measurement | 316×152×279mm as original battery |
| • Weight | 5.5kg |
| • Power | 16kw rated |
| • Input/Output | 1000V DC / 58.8V DC stable |
| • Socket | FlyCart 30 socket |
| • Protection | Anti-shutoff protection |
| • Protection | Short-circuit protection |
| • Rainproof | Yes |

FlyCart 30 FC30 air power

FC30M

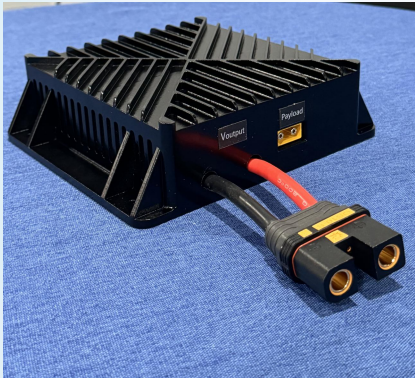


参数Parameters

- | | |
|----------------|-----------------------------------|
| • Measurement | 316×152×279mm as original battery |
| • Weight | 3.2kg |
| • Power | 12kw rated |
| • Input/Output | 750V DC / 58.8V DC stable |
| • Socket | FlyCart 30 socket |
| • Protection | Anti-shutoff protection |
| • Protection | Short-circuit protection |
| • Rainproof | Yes |

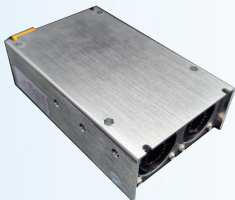
MU93 Airborne power

MP32



Parameters	
• Weight	• 650g
• Measurement	• 148 x 99 x 57mm
• Power	• 3200W
• Input	• 400V d.c.
• Output voltage	• 6S d.c.
• Output current	• 130A
• Auto balance	• ±1.5%
• Efficiency	• 95%

MP15



Parameters	
• Weight	• 0.9Kg
• Measurement	• 15.3 x 4.5 x 9.5cm
• Power	• 1500W
• Input	• 400V d.c.
• Output voltage	• 6S Stable Output
• Output current	• 60A
• Auto balance	• $\pm 5\%$
• Efficiency	• 95%

MP35



Parameters	
• Weight	• 1.15Kg
• Measurement	• 18 x 4.5 x 11cm
• Power	• 3500W
• Input	• 400V d.c.
• Output voltage	• 50V d.c. Stable Output
• Output current	• 70A
• Auto balance	• $\pm 1.5\%$
• Efficiency	• 96%



MP50

Parameters	
• Weight	• 1.5Kg
• Measurement	• 18x11x5.5cm
• Power	• 5000W
• Input	• 450V d.c.
• Output voltage	• 50V / 58V d.c.
• Output current	• 100A
• Auto balance	• ±1.5%
• Efficiency	• 96%



MP60

Parameters	
• Weight	• 1.5Kg
• Measurement	• 18x11x5.5cm
• Power	• 6000W
• Input	• 750V d.c.
• Output voltage	• 50V / 58V d.c.
• Output current	• 120A
• Auto balance	• ±1.5%
• Efficiency	• 96%



MP80

Parameters

- | | |
|------------------|-----------------------|
| • Weight | • 2.1Kg |
| • Measurement | • 25.2 x 14.4 x 5.9cm |
| • Power | • 8000W |
| • Input | • 750/1000V d.c. |
| • Output voltage | • 58V d.c. Stable |
| • Output current | • 130A |
| • Auto balance | • $\pm 1.5\%$ |
| • Efficiency | • 96% |



MP100

Parameters

- | | |
|------------------|-----------------------|
| • Weight | • 3kg |
| • Measurement | • 25.2 x 14.4 x 5.9cm |
| • Power | • 10000W |
| • Input | • 1000V d.c. |
| • Output voltage | • 58V d.c. Stable |
| • Output current | • 172A |
| • Auto balance | • $\pm 1.5\%$ |
| • Efficiency | • 96% |

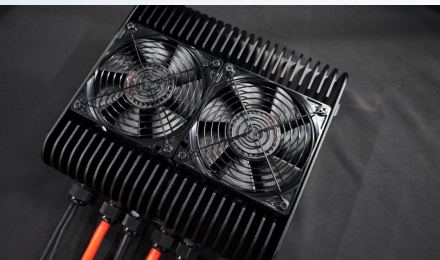
Airborne power



MP120

Parameters	
• Weight	• 3.1Kg
• Measurement	• 27x23.2x5.7cm
• Power	• 12kW
• Input	• 750V d.c.
• Output voltage	• 12S. 14S. 18S
• Output current	• 240A
• Auto balance	• ±1.5%
• Efficiency	• 96%

MP150

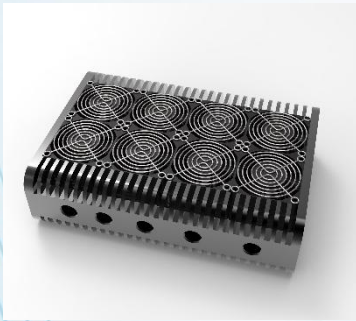


Parameters	
• Weight	• 6.9Kg
• Measurement	• 39x29x10cm
• Power	• 15kW
• Input	• 1000V d.c.
• Output voltage	• 14S. 16S. 18S
• Output current	• 300A
• Auto balance	• ±1.5%
• Efficiency	• 96%



MP200

		Parameters
•	Weight	• 6Kg
•	Measurement	• 27x23.2x10.6cm
•	Power	• 20kW
•	Input	• 1000V d.c.
•	Output voltage	• 14S. 16S. 18S
•	Output current	• 360A
•	Auto balance	• ±1.5%
•	Efficiency	• 96%



MP300

		Parameters
•	Weight	• 15Kg
•	Measurement	• 49x24x11.2cm
•	Power	• 30kW
•	Input	• 1000V d.c.
•	Output voltage	• 14S. 16S. 18S
•	Output current	• 508A
•	Auto balance	• ±1.5%
•	Efficiency	• 96%

UAV

MYUAV® Tethered drone

MH5



Rotor number 4 rotor

Aircraft self -weight $\leq 5.8\text{kg}$ (excluding battery weight)

Maximum load $\leq 5\text{kg}$

Maximum take -off weight $\leq 19.5\text{kg}$

Maximum flight speed $\leq 18\text{m/s}$

The maximum increase speed $\leq 5\text{m/s}$

Maximum reduction speed $\leq 4\text{m/s}$

Maximum take -off altitude 3000M

No-load Flight time $\geq 55\text{min}$

5KG flight time $\geq 25\text{min}$

Positioning system GPS positioning

Transmission distance 15km (upgrade)

Safety wind speed ≤ 6

Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

Fuselage protection level IP55

UAV

MYUAV® Tethered drone

MH10



Rotor number 6 rotor

Aircraft self -weight $\leq 8.5\text{kg}$ (excluding battery weight)

Maximum load $\leq 10\text{kg}$

Maximum take -off weight $\leq 24\text{KG}$

Maximum flight speed $\leq 18\text{m/s}$

The maximum increase speed $\leq 5\text{m/s}$

Maximum reduction speed $\leq 4\text{m/s}$

Maximum take -off altitude 3000M

No-load Flight time $\geq 65\text{min}$

5KG flight time $\geq 28\text{min}$

Positioning system GPS positioning

Figure, number transmission distance 10km

Safety wind speed ≤ 6

Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

Fuselage protection level IP65

UAV

MYUAV® Tethered drone

MH20



Rotor number 4 rotor

Aircraft self -weight $\leq 13\text{kg}$ (excluding battery weight)

Maximum load $\leq 20\text{kg}$

Maximum take -off weight $\leq 42\text{kg}$

Maximum flight speed $\leq 18\text{m/s}$

The maximum increase speed $\leq 5\text{m/s}$

Maximum reduction speed $\leq 4\text{m/s}$

Maximum take -off altitude 3000M

No-load flight time $\geq 35\text{min}$

Positioning system GPS positioning

Figure, number transmission distance 10km

Safety wind speed ≤ 6

Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

Fuselage protection level IP65

UAV

MYUAV® Tethered drone

MH30



Rotor number 6 rotor

Aircraft self -weight $\leq 18.5\text{kg}$ (excluding battery weight)

Maximum load $\leq 30\text{kg}$

Maximum take -off weight $\leq 58\text{kg}$

Maximum flight speed $\leq 18\text{m/s}$

The maximum increase speed $\leq 5\text{m/s}$

Maximum reduction speed $\leq 4\text{m/s}$

Maximum take -off altitude 4000M

No-load flight time $\geq 35\text{min}$

30kg flight time $\geq 10\text{min}$

Positioning system GPS positioning

Figure, number transmission distance 10km

Safety wind speed ≤ 6

Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

Fuselage protection level IP65

UAV

MYUAV® Tethered drone

MH50



Rotor number 4-axis and 8-paddle
Aircraft self -weight $\leq 27\text{kg}$ (excluding battery weight)
Maximum load $\leq 50\text{kg}$
Maximum take -off weight $\leq 105\text{kg}$
Maximum flight speed $\leq 15\text{m/s}$
The maximum increase speed $\leq 5\text{m/s}$
Maximum reduction speed $\leq 4\text{m/s}$
Maximum take -off altitude 4000M
No-load flight time $\geq 43\text{min}$
50kg flight time $\geq 16\text{min}$
Positioning System GPS Positioning+RTK
Figure, number transmission distance 10km-15km
Safety wind speed ≤ 7
Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$
Fuselage protection level IP65

UAV

MYUAV® Tethered drone

MH60



Rotor number 6 rotor

Aircraft self -weight $\leq 28.5\text{kg}$ (excluding battery weight)

Maximum load $\leq 60\text{kg}$

Maximum take -off weight $\leq 124.5\text{kg}$

Maximum flight speed $\leq 15\text{m/s}$

The maximum increase speed $\leq 5\text{m/s}$

Maximum reduction speed $\leq 4\text{m/s}$

Maximum take -off altitude 4000M

Flying battery life $\geq 60\text{min}$ (empty load) $\geq 30\text{min}$ (30kg load)

60kg battery life $\geq 20\text{min}$

Positioning System GPS Positioning+RTK

Figure, number transmission distance 15km

Safety wind speed ≤ 7

Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

Fuselage protection level IP65

Payloads

MYUAV® Tethered drone

Payloads

loudspeaker



multi-function



searchlight



38mm launcher



capture net emitter



releaseer



fire extinguisher



descent control device



fire extinguisher



fire hose



window shot launcher



searchlight



Combinations

MYUAV® Tethered drone



1.5kw /6S	1.6kw /6S	2.5kw /6S	3.2kw /6S	3.5kw/ 12S	5kw/1 2S	6kw ~7.5kw	9kw	12kw	15kw	24kw	30kw
Air Power											
Tether Basestation											
In-air Weight											



*The total weight of the air stagnation is calculated based on the general situation, and the specific cases need to be analyzed in detail

MYUAV® Tethered drone



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