

MYUAV® Tethered drone

Tethered Drone System Solution Provider

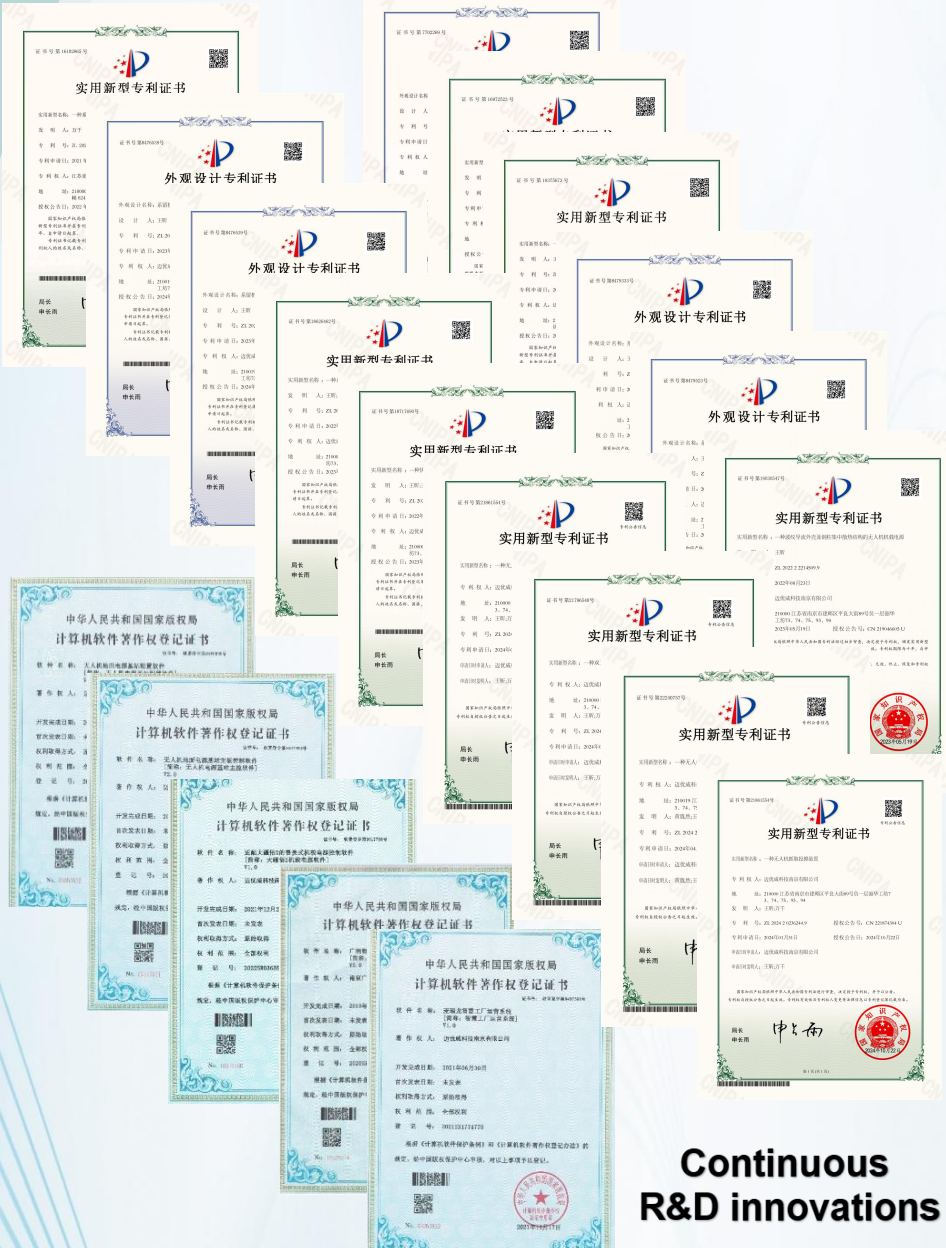


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Honor and Certification



**Continuous
R&D innovations**

Intel-Manufacturing

PCB design



3D design



UAV design



CNC manufacturing



Software



Test



Training



Tethered Drone System



Drone

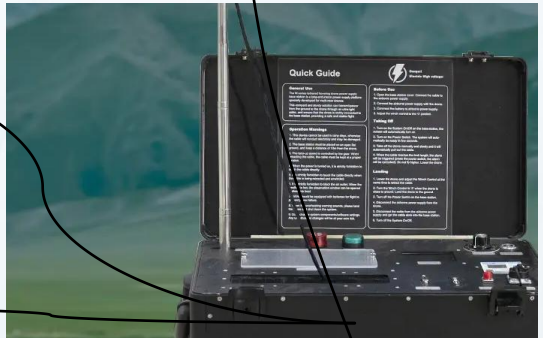
Air-borne Ultra-light
Power supply

Payload

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，辅助道路开发，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 / 3.5KW
height	120m

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/LG70

size	46x26x41.5cm
weight	24kg
input	220V AC $\pm 10\%$ 50Hz/60Hz
output	750V DC / 5.5KW / 7KW
height	120m / 200m



Climbers Series

MYUAV® Tethered drone

Tethered Power System

MJ100



size	60.5x45x48cm
weight	45kg
input	380V AC 50Hz/60Hz
output	750V DC / 10KW
height	max.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	60.5x45x48cm
weight	45kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	750V DC / 20KW
height	max.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

MJ200



Climbers Series

MYUAV® Tethered drone

Tethered Power System

MJ200pro / MJ300



size	68.6x44.8x49.2cm
weight	56kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	1000V DC / 20KW / 30KW
height	max.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	68.6x44.8x58cm
weight	60kg
input	380V AC $\pm 10\%$ 50Hz/60Hz
output	1000V DC / 40KW
height	max.180m
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

MJ400



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 Tether System



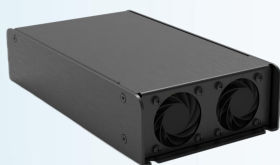
Model	Height	Max. Out	Scenarios
FC30T	50~240m	20kw	High Power Mount
FC30X	50~120m	16kw	Building Cleaning Fire Fighting
FC30M	50~350m	16kw	Public Safety Public Grid Communication Grid Spraying
FC30S	50~240m	12kw	Emergency Lighting Self-organising network relay Emergency Search and Rescue

MU93 Airborne power

MP32



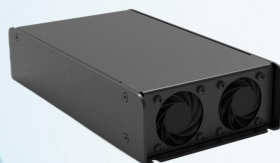
Parameters	
• Weight	• 820g
• Measurement	• 168 x 55 x 193mm
• Power	• 3200W
• Input	• 400V d.c.
• Output voltage	• 6S d.c.
• Output current	• 130A
• Auto balance	• ±1.5%
• Efficiency	• 95%



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	±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	±1.5%
• Efficiency	96%



MP50

Parameters

- | | |
|------------------|----------------|
| • Weight | 1.3Kg |
| • 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 | 1.3Kg |
| • 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 | ±1.5% |
| • Efficiency | 96% |



MP100

Parameters

- | | |
|------------------|---------------------|
| • Weight | 2.26kg |
| • 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 | ±1.5% |
| • Efficiency | 96% |

MP120



Parameters

• Weight	3.1Kg
• Measurement	28.8*25.2*5.9cm
• Power	12kW
• Input	750V d.c.
• Output voltage	12S. 14S. 18S
• Output current	205A
• Auto balance	±1.5%
• Efficiency	96%

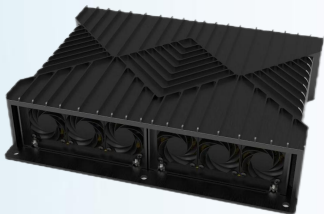
MP160



Parameters

• Weight	4.8Kg
• Measurement	28.8*25.2*5.9cm
• Power	16kW
• Input	1000V d.c.
• Output voltage	14S. 16S. 18S
• Output current	270A
• Auto balance	±1.5%
• Efficiency	96%

MP180



Parameters

• Weight	5Kg
• Measurement	28.8*25.2*5.9cm
• Power	18kW
• Input	1000V d.c.
• Output voltage	14S. 16S. 18S
• Output current	306A
• Auto balance	±1.5%
• Efficiency	96%

MP200



Parameters

• Weight	5.6Kg
• Measurement	28.8*25.2*5.9cm
• Power	20kW
• Input	1000V d.c.
• Output voltage	14S. 16S. 18S
• Output current	340A
• Auto balance	±1.5%
• Efficiency	96%



MP250

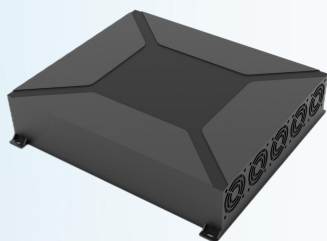
Parameters		
•	Weight	6Kg
•	Measurement	27x23.2x10.6cm
•	Power	25kW
•	Input	1000V d.c.
•	Output voltage	14S. 16S. 18S
•	Output current	425A
•	Auto balance	±1.5%
•	Efficiency	96%

IP68

MYUAV® Tethered drone

IP68 Airborne power

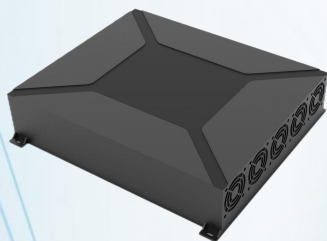
MP160pro



Parameters

•	Weight	6Kg
•	Measurement	25.2x24x9.5cm
•	Power	16kW
•	Input	1000V d.c.
•	Output voltage	14S. 16S. 18S
•	Output current	270A
•	Auto balance	±1.5%
•	Efficiency	96%

MP180pro



Parameters

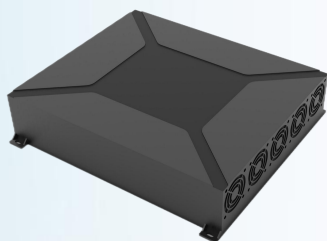
•	Weight	8Kg
•	Measurement	29×24.8×11cm
•	Power	18kW
•	Input	1000V d.c.
•	Output voltage	14S. 16S. 18S
•	Output current	305A
•	Auto balance	±1.5%
•	Efficiency	96%

IP68

MYUAV® Tethered drone

IP68 Airborne power

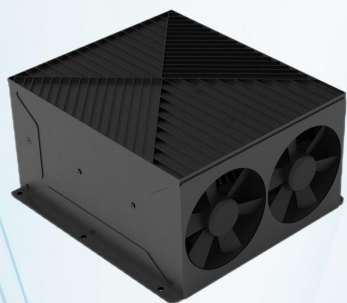
MP250pro



Parameters

• Weight	9.5Kg
• Measurement	36.5×35×9.5cm
• Power	25kW
• Input	1000V d.c.
• Output voltage	14S. 16S. 18S
• Output current	425A
• Auto balance	±1.5%
• Efficiency	96%

MP300pro



Parameters

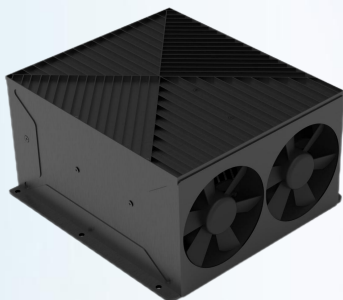
• Weight	12.5Kg
• Measurement	27.6×28.8×15.3cm
• Power	30kW
• Input	1000V d.c.
• Output voltage	14S. 16S. 18S
• Output current	508A
• Auto balance	±1.5%
• Efficiency	96%

IP68

MYUAV® Tethered drone

IP68 Airborne power

MP350pro



Parameters

•	Weight	12Kg
•	Measurement	27.6×28.8×15.3cm
•	Power	35kW
•	Input	1500V d.c.
•	Output voltage	14S. 16S. 18S
•	Output current	595A
•	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

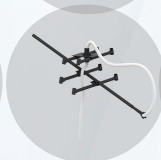
Work temperature $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$

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

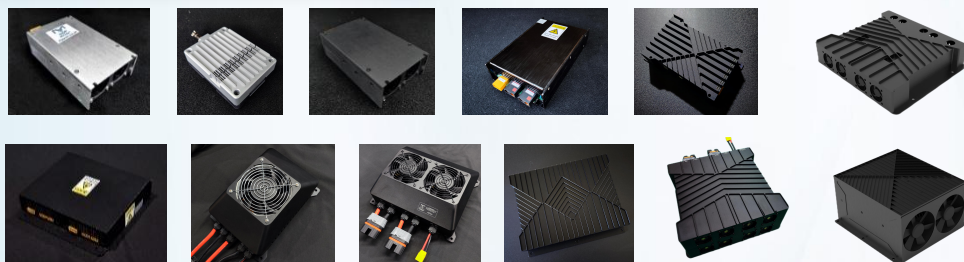


searchlight

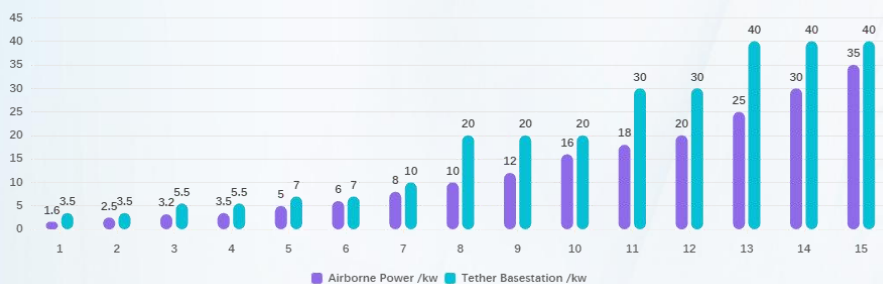


Combinations

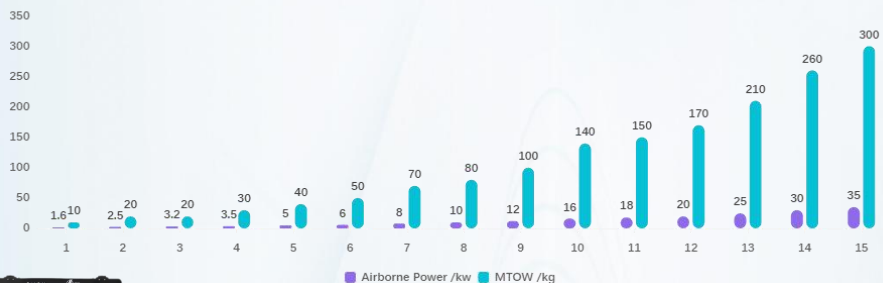
MYUAV® Tethered drone



Power combination



MTOW / Air power combination



*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



迈优威®

MYUAV®

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