

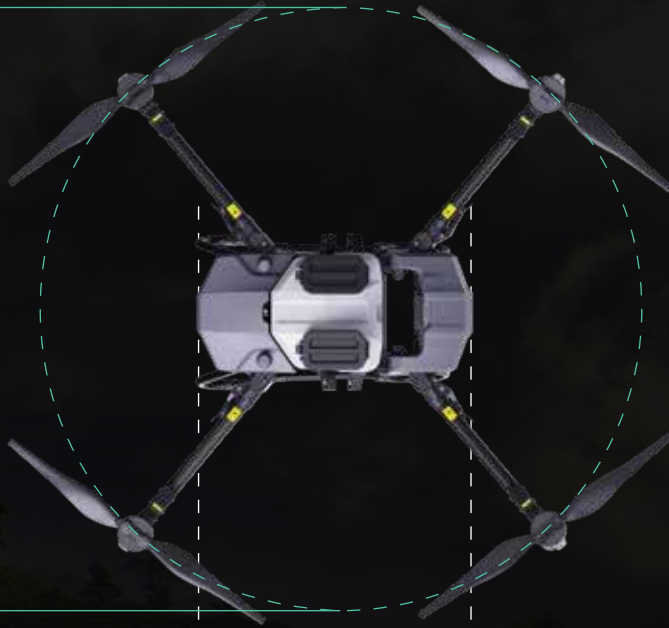


Z30P / Z50P

The newly upgraded Z Series agricultural drone system offers two load models: 30KG and 50KG. The enhanced V2.0 control system ensures smoother and easier operation. Equipped with a high-flow rate impeller pump and water-cooled centrifugal nozzles, the system allows for quick switching between spraying and spreading functions.

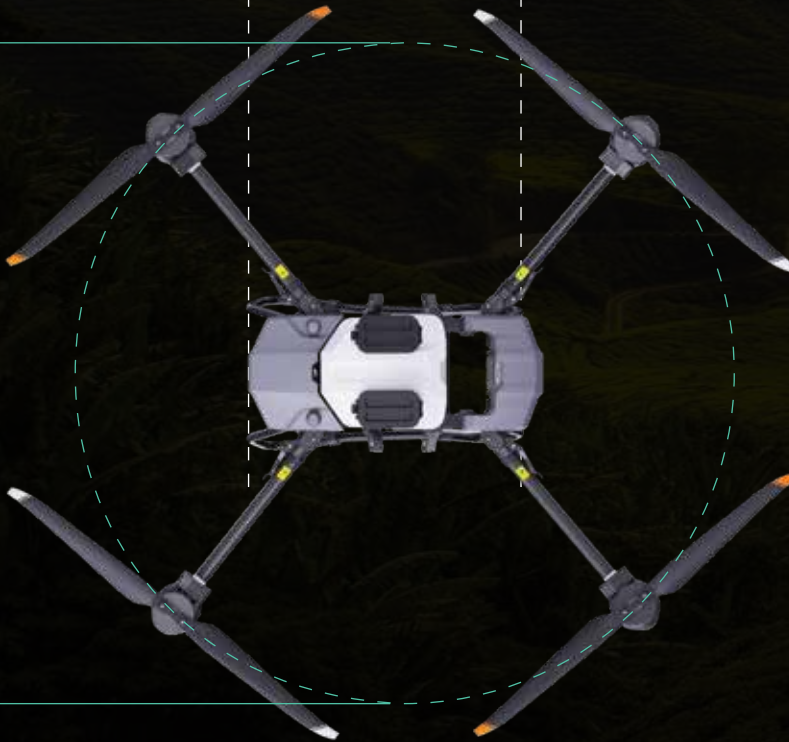


2025mm



Universal Structure

2299mm



Z30P

30L liquid tank

50L (30kg) granule tank

14S 30000mAh battery

7.5min flight time (full load)

14.8min flight time (no load)

Z50P

50L Liquid Tank

70L (50kg) granule tank

18S 30000mAh battery

7min flight time (full load)

17.5min flight time (no load)



Spraying System

Fine Atomizing Spray
Adjustable Droplet Size
Precise & Efficient



Spreading System

360° Evenly Spread
Umbrella Metal Stirrer
Smooth & Durable



Truss Structure

Double Strength
Flexible Handling
Sturdy & Reliable



System 2.0

Newly Operating System
Enhanced Protection
Intelligent & Stable



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Smart Feedback Module

Provides continuous status monitoring with early fault detection and warnings.



Grouping Modular Design

Features separate modules for flight control, RTK, and receiver, with plug-in connections for flexible configuration.



Optimized Wire Management

Featuring a deeply optimized wire layout for neatness and easy repairs. The use of waterproof terminal plugs enhances reliability and overall performance.



Integrated Flight Control

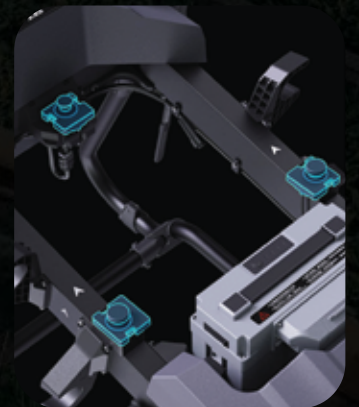
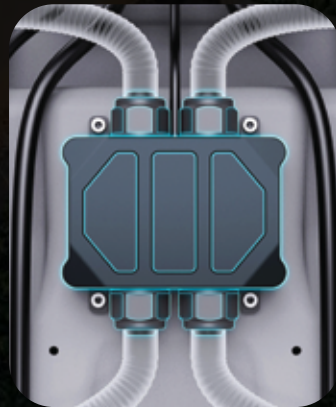
Wiring-free and debugging-free, allowing for quick and hassle-free installation.





Atomized Spraying System Precise and Efficient

The atomized spraying system can be adjusted according to different crops for precise and scientific spraying. Equipped with high-flow impeller pumps and water-cooled centrifugal nozzles, it ensures efficient spraying. The system also features an ultrasonic flow meter, sensors, and liquid separation detection for stable and accurate operation.





Precise Spreading System

Smooth Sowing

The integrated spreading kit can be quickly installed with automatic identification and no need for debugging. The super-large inlets significantly enhance loading efficiency, while the bow-shaped tripod design effectively prevents collisions with broadcasting particles. Equipped with an upgraded spreader, umbrella-shaped metal stirrer, and a reinforced disc, it achieves 360 degree even and smooth spreading, saving both time and granule.



IP67

Integrally Waterproof

The entire drone has been upgraded for waterproofing from the inside out. The motherboard is fully potted, plugs are equipped with waterproof terminals, and all core modules are sealed. This results in full immersion waterproofing, allowing the drone to easily handle a variety of harsh working environments.



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Specifications

Drone System	Z30P	Z50P
Unloaded Spraying Drone Weight (w/o batteries)	30.4kg	36.7kg
Unloaded Spraying Drone Weight (w/ batteries)	41.6kg	51.4kg
Unloaded Spreading Drone Weight (w/o batteries)	31.5kg	37.2kg
Unloaded Spreading Drone Weight (w/ batteries)	42.7kg	51.9kg
Max. Take-off Weight	71.6kg	101.4kg
Wheelbase	2025mm	2299mm
Spraying Drone (Unfolded)	2485*2591*752mm	3045*3078*830mm
Spraying Drone (Folded)	979*683*752mm	1113*781*841mm
Spreading Drone (Unfolded)	2485*2591*774mm	3045*3078*890mm
Spreading Drone (Folded)	979*683*774mm	1113*781*890mm
No-load Hovering Time	14.8min (14S 30000mAh)	17.5min (18S 30000mAh)
Full load Hovering Time	7.5min (14S 30000mAh)	7min (18S 30000mAh)
Working Temperature	0-40°C	

Spraying System

Spraying Tank	30L	50L
Water Pump	Voltage: 12-18S, Power: 30W, Max flow rate: 16L / min	
Nozzle	Voltage: 12-18S, Power: 500W, Atomized particle size: 50-500µm	
Spray Width	4-8m	

Spreading System

Spreading Tank	50L	70L
Max Load	30kg	50kg
Applicable Granule	0.5-6mm dry solids	
Spread Width	8-12m	



Specifications

Motor System

	Z30P	Z50P
Model	11118	13825
Voltage	14S	18S
KV	85KV	45KV
Maximum Power	7810W	10887W
Continuous Power	2410W	29710W
Propeller Size	43inch	56inch

Flight Control

Operating Voltage	12-80V
Working Temperature	-10-60°C
RTK	Level: ±0.1m, Vertical: ±0.1m
GPS	Level: ±1.5m, Vertical: ±0.5m
Wind Resistance Level	Sustained wind: Level 4, Gust: Level 5

Remote Control

Resolution	1920*1080
Display Screen	5.5inch
Working Time	5h
Charging Time	5h (2W)
Control Distance	1km (3m Height without shelter)
Weight	850g

Recommended Battery

Voltage	14S	18S
Capacity	30000mAh	30000mAh
Weight	10kg	13.5kg





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