



Integrated flight control



IntelliSense & Feedback



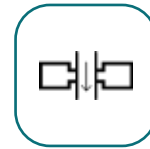
Water-cooled centrifugal nozzle



High-efficiency spreading



IP67 Immersion waterproof




Large flow double impeller pump

Z Series Agriculture Drone

Introducing the brand new agricultural spraying drone, Z Series with advanced integration of software and hardware to provide the best solutions for precision farming. 30kg and 50kg two load models, with newly upgraded high-strength truss structure, wireless integrated flight control, large-flow impeller pumps and water-cooled centrifugal nozzles. The aircraft is deep integration of software and hardware.

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Innovative Structure Pursuing Excellence



1

Truss Structure

Double structural strength and durability



2

Z-Type Folding

Minish folding size for easy transportation



3

Press-Locking Handle

Intelligent locking sensors and sturdy buckle for operational convenience

Interactive Design

4



Double Clamshell Inlets

Large dual inlets for easier pouring



Tool Free Housing

Simple built-in buckle for quick disassembly

5

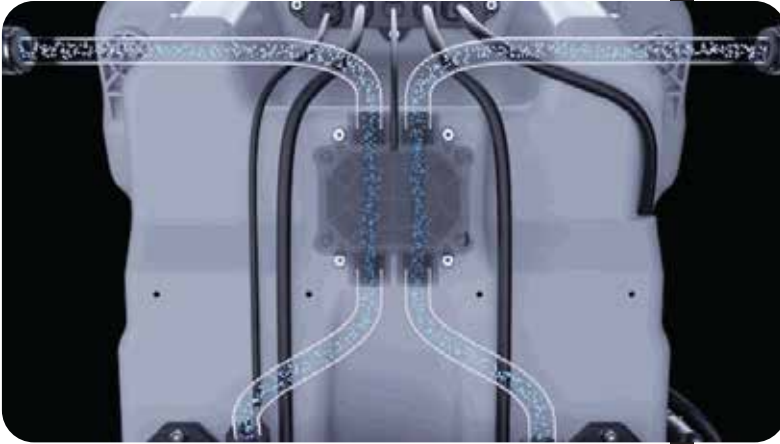


Higher Front, Lower Tail

Reduced wind resistance and easier battery replacement

6

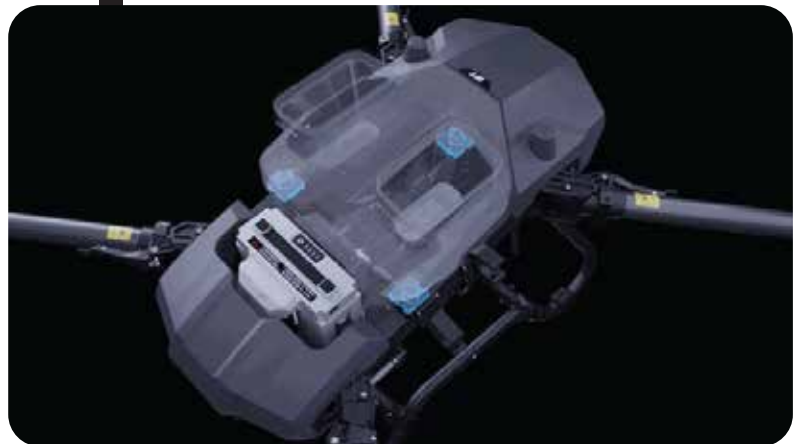
Fully Interconnected Enhanced Performance



Ultrasonic Flow Meter

Sensors are separated from liquid to reduce corrosion

7



Precise Weighing Module

Real-time monitoring,
avoids overloading

8



Smart Feedback Module

Constant status detection, early warning of faults

9

Precise Spreading Smooth Spraying

The spreading and spraying systems can be interchanged quickly to meet the operational requirements of the respective scenarios.



The entire UAV is waterproof from the inside out with an IP67 protection rating enabling it to cope in harsh working environments easily.

Dustproof and Waterproof



Offered Solutions



Drone frame x 1

Motor set x 4

Impeller pump x 2

Flow meter x 1

Level gauge x 1

Centrifugal nozzle x 2

Adapter board x 1

Pipes and fittings x 1

Flight control x 1

Receiver module x 1

Camera x 1

Remote control x 1



Drone frame x 1

Motor set x 4

Impeller pump x 2

Flow meter x 1

Level gauge x 1

Centrifugal nozzle x 2

Adapter board x 1

Pipes and fittings x 1

Flight control x 1

Receiver module x 1

RTK module x 1

Forward radar x 1

Front radar x 1

Altitude radar x 1

Camera x 1

Remote control x 1



Specifications

Z30 / Z50

Drone System

Spraying drone weight (without battery)

29.8 / 31.5kg

Spraying drone weight (with battery)

40 / 45kg

Spreading drone weight (without battery)

30.5 / 32.5kg

Spreading drone weight (with battery)

40.7 / 46kg

Max Take-off weight

70 / 95kg

Wheelbase

2025 / 2272mm

Expand Size

Spraying drone:

2435*2541*752 / 2845*2718*830mm

Spreading drone:

2435*2541*774 / 2845*2718*890mm

Folded Size

Spraying drone:

979*684*752 / 1066*677*830mm

Spreading drone:

979*684*774 / 1066*677*890mm

No-load hovering time

17.5min(14S 30000mAh) /

20min(18S 30000mAh)

Full load hovering time

7.5min(14S 30000mAh) /

7min(18S 30000mAh)

Working temperature

0°C - 40°C

Spraying System

Spraying tank

30 / 50 L

Water Pump

Volt: 12-18S

Power: 30W*2

Max flow: 8L/min*2

Nozzle

Volt: 12-18S

Power: 500W*2

Atomized particle size: 50-500µm

Spray width

4-8m

Spreading System

Spreading tank

50 / 70L

Max load

30 / 50kg

Applicable granule

0.5-6mm dry solids

Spread width

8-12m

Motor System

Model

11115 / 11122

Voltage

14 / 18S

KV

95 / 60KV

Maximum power

7350 / 9730W

Constant power

2600 / 3100W

Propeller size

43 / 48inch

Flight Control

Operating Voltage

12-80V

Working temperature

-10°C - 60°C

RTK

Horizontal ±0.1m

Vertical ±0.1m

GPS

Horizontal ±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

12h

Charging time

5h (20W)

Control distance

3km (3m height without shelter)

Battery

Voltage

14 / 18S

Capacity

30000mAh

Weight

10 / 13.5kg



Service

Maintenance, repair and overhaul provided
Spare parts are in stock



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