

# Agriculture Spray Drone



## 6-AXIS 60 L GAS & BATTERY HYBRID UNMANNED AERIAL VEHICLE

### Features

**60L**

#### 60 L Spraying Capacity

- 60 kg maximum operation load
- 10~90 minutes operation per trip
- typical 41 acres spraying area per hour
- typical 1,000-meter operation range



#### Programmable Route

- Manual operation
- automatic route plan and pilot
- AB points plan and flight
- Auto obstacle avoidance



#### Smart Returning to Base

- one button take-off, autopilot and landing
- Battery monitoring, low voltage return
- liquid flow metering, short liquid return
- breaking point resuming



#### FPV Camera on Drone

- 640\*320 resolution
- real-time image transmission
- optional down-view camera



#### Android Platform Operation

- 5.5-inch display controller
- Computer connectivity
- Cellphone connectivity
- Firmware & software OTA updatable



#### Smart Operation and Protection

- configurable fence and keep out area
- auto power-on self-checking
- height detection, terrain following flight
- vibration protection, low signal protection



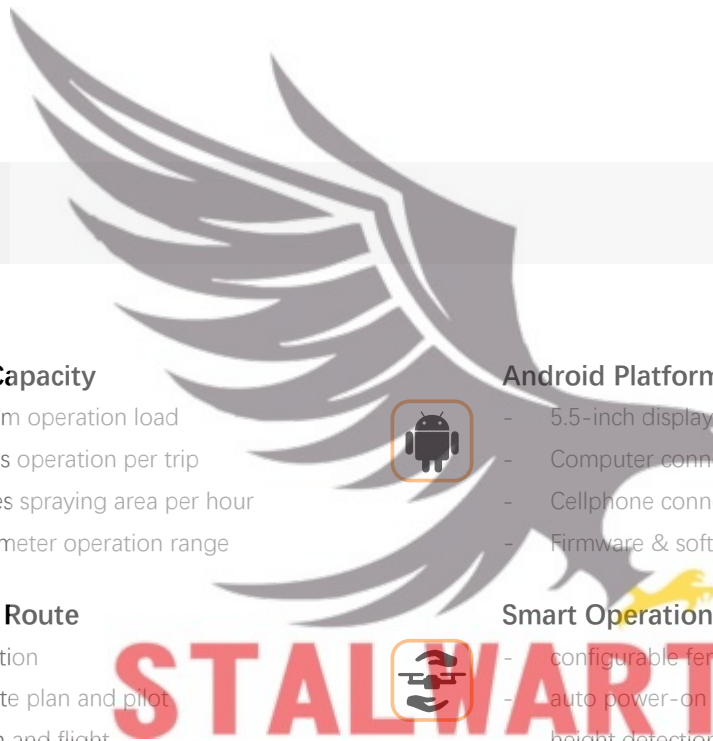
#### Multiple Operation Mode

- spraying
- fumigating
- particle spreading
- transportation



#### Optional Higher Precision Operation

- terrain following radar
- front and rear obstacle avoidance radar
- RTK base station kit



Detail Specification of

General Information	Driving	6-Axis
	Maximum Load	60 kg
	Maximum Take-off Weight	133 kg
	Hovering Endurance Without Load	10-120 Minutes
	Hovering Endurance With Load	10-60 Minutes
	Maximum Operation Flight Speed	8 Meter per Second
	Maximum Operation Wind Speed	3 Meter per Second
	Maximum Tolerable Wind Speed	8 Meter per Second
	Typical Flight Radius	1,000 Meter
	Maximum Flight Altitude	2,000 Meter
	Recommended Operation Ambient Humidity	<93%
	Recommended Operation Ambient Temperature	0~40 Degree C
spraying System	Typical Hourly Spraying Area	41 Acres
	Nozzle Mode	Pressure Sprinkler, 12 Pcs
	Effective Spray Width	3~10 Meters
	Maximum Spray Flow	8 Liter per Minute, 2 Pcs
	Maximum Pump Pressure	0.5 MPa
	Water Pump Model	Plunger Pump, 2 Pcs
	Pesticide Tank Installation Method	Fixed Tank
	Operation Tank Volume	60 Liters
Battery	Manufacturer	Tattu or Equivalent
	Installation Method	Removable Battery
	Weight	5.2 kg
	Rated Voltage	66.6V (18S)
	Charge Voltage	75.6V
	Capacity	6,000 mAh
	Charge Cycle Time	0.5~1 Hour
	Lifetime Charge Cycles	300-500 times
Generator	Manufacturer	2-cylinder Gasoline Engine
	Cylinder Capacity	340 CC
	Rated Power	16 kW
	Output Voltage	75 V
	Gas Tank Capacity	8 Liters
	Maximum RPM	7,500 RPM
	Fuel	Machine Oil and 92# Gasoline 1:40
	Engine Cooling Method	Water-cooling
Power System Combo	Manufacturer	Hobbywing X11 MAX
	Motor Quantity	6 Pcs
	Motor Stator Size	100*28 mm
	Propellers Diameter x Pitch	48 Inch
	Propellers Quantity	6 Sets

**STALWART**

Remote Controller	Manufacturer	Skydroid H12
	Operating Frequency	2.4000 - 2.4835 GHz
	Display screen	5.5-inch, 1920×1080, 1000 nits, Android OS
	Built-in Battery	10,000 mAh
	Charge Method	Standard 5V/2A USB Charger
	Charge time	2.5 Hour
	Weight	530 g
Front-view	View Angle	120 Degree (Down-view available on Request)
Camera	Resolution	640*360
	Searchlights	6W LEDs
Flight Control System	VK V7-AG or Equivalent	
Supported GNSS	GPS+BEIDOU+GLONASS	
Hovering precision	±150 cm (horizontal) and ±50 cm (vertical)	
Diagonal Wheelbase	2,600 mm	
Mechanical Information	Dimensions with Arms and Blades Folded	1,400*1,400*1,470 mm
	Dimensions with Blades Folded	2,700*2,700*1470 mm
	Dimensions with Arms and Blades Unfolded	3,820*3,820*1470 mm
	Net Weight	68 kg (Drone) + 5 kg (Battery)
	Packing Weight	~150 kg
	Packing Size	1,550*1,550*1,650 mm (with 15cm Height for Forklift)
	Pre-Assembled Drone	1 Set
Standard Packing List	Remote Controller	1 Pcs with Charger
	Battery	1 Pcs (Additional Quantity is Recommended)
	Charger	1 Pcs
	Tool Kit	1 Pcs
	Re-usable Plywood Box	1 Pcs
	Centrifugal Nozzle	Optional
Additional Kits	Terrain Following Radar	1 Pcs
	Front Obstacle Avoidance Radar	1 Pcs
	Rear Obstacle Avoidance Radar	1 Pcs
	RTK Kits	1 Pcs Air Set, Optional for Ground Set

**Note:**

- Parameters above might be updated without further notice. Please verify with about the latest specification.
- A 365-day or 300 operation hours (whichever comes earlier) limited warranty is provided for the product starting from the shipping date. will cover shipping costs when shipping a replacement unit within the warranty period.
- If the user fails to use the product per the given instructions, specifications, and conditions, will not be liable for any damage arising therefrom.

**STALWART**