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X-PC1W

Used for wheat fertilization, rice topdressing, palm orchard spraying, snow removal and other scenarios.

- Centimeter level positioning accuracy, supporting precise point spraying operation mode
- Oil electric hybrid power, ultra long range, solves customer range anxiety
- No need to carry a charger and battery, refueling and work immediately
- Hybrid gasoline crop protection drone, ultra long endurance, supports spraying 20L/sowing 30L crop protection operations



Item	Parameters
Payload Capacity (kg)	20
Max Takeoff Weight for Spraying (kg)	64
Max Wheelbase (mm)	1950
Dimensions in Working State (mm)	2610x2610x760
Stable Operation Endurance (min)	≥45
Max Wind Resistance During Operation (m/s)	6
Hovering Accuracy	RTK Enabled: Horizontal ±10 cm, Vertical ±10 cm
Protection Rating	Core Modules IP67
Range Extender Weight (kg)	9.5
Obstacle Avoidance Capability	360° radar obstacle avoidance
Continuous Power Output (kW)	26.5
Starting Method	Integrated Start System
Engine	Twin-cylinder, Two-stroke, Electronic Fuel Injection

X-PC2W

Hybrid gasoline plant protection drone, with ultra-long endurance, suitable for plant protection, long-distance lifting, snow sweeping and ice removal scenarios.

- Centimeter-level positioning accuracy, supports precise point spraying operation mode
- Hybrid power, ultra-long range, solves customers' range anxiety
- Equipped with a 20km long-range radio, it can achieve ultra-long-distance transportation
- Supports spraying 50L / spreading 75L for plant protection operations.



Item	Parameters
Payload Capacity (kg)	50 (Crop Protection Mode) 55 (Hoisting Mode)
Max Takeoff Weight for Spraying (kg)	138
Max Wheelbase (mm)	2430
Dimensions in Working State (mm)	3340x3340x970
Stable Operation Endurance (min)	≥60
Max Wind Resistance During Operation (m/s)	6
Hovering Accuracy	RTK Enabled: Horizontal ±10 cm, Vertical ±10 cm
Protection Rating	Core Modules IP67
Obstacle Avoidance Capability	360° radar obstacle avoidance
Range Extender Weight (kg)	≤22
Continuous Power Output (kW)	≥16
Starting Method	Integrated Start System
Engine	Twin-cylinder, Two-stroke, Electronic Fuel Injection



INFIMOTION



Wuxi Infimotion Technology Co., Ltd.

Aviation Range Extender GX-2

Integrated into complete UAV platforms, suitable for logistics, plant protection, and inspection UAVs.

- The motor speed reaches 14000rpm, and the system is designed to be lightweight
- Efficient FOC rectifier inverter power generation system, one key start stop
- Aviation range extender, suitable for logistics, crop protection, cruise drones



Item	Parameters
Continuous Power (kW)	≥1.8
Rated Generator Voltage (VDC)	48
Maximum Generator Current (A)	37.5
Weight (kg)	≤4.5
Fuel Consumption (L/H)	1.5
Specific Fuel Consumption (g/kWh)	≤650
Starting Method	Automatic Start-Stop
Type	Single-cylinder, two-stroke, carburetor
Displacement (cc)	31.8
Noise (dB)	85dB(A)@30m
Service Life (H)	≥300

Aviation Range Extender GX-7

Integrated into complete UAV platforms, suitable for logistics, plant protection, and inspection UAVs.

- 124CC water-cooled two-stroke engine with patented dense needle roller technology
- 300H continuous full power output durability test
- Aviation range extender, compatible with crop protection, emergency, snow sweeping drones

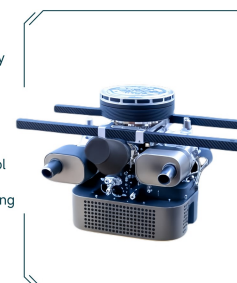


Item	Parameters
Continuous Power (kW)	≥6.5
Rated Generator Voltage (VDC)	58
Maximum Generator Current (A)	120
Weight (kg)	8.5
Fuel Consumption (L/H)	6
Specific Fuel Consumption (g/kWh)	570
Starting Method	Integrated Starter-Generator
Type	Twin-cylinder, two-stroke, electronic fuel injection
Displacement (cc)	124.5
Noise (dB)	110dB(A)@1m
Service Life (H)	≥300

Aviation Range Extender GX-16

Integrated into complete UAV platforms, suitable for logistics, plant protection, and inspection UAVs.

- 342CC water-cooled two-stroke engine with patented dense needle roller technology
- 300H continuous full power output durability test
- Engine and whole machine two in one control unit, achieving multiple protections, supporting CAN2.0/UAVCAN communication protocol
- Aviation range extender, suitable for crop protection, emergency, logistics drones



Item	Parameters
Continuous Power (kW)	58
Rated Generator Voltage (VDC)	275
Maximum Generator Current (A)	≤22
Weight (kg)	≤450
Fuel Consumption (L/H)	13
Specific Fuel Consumption (g/kWh)	Integrated Starter-Generator
Starting Method	≥16
Type	Twin-cylinder, two-stroke, electronic fuel injection
Displacement (cc)	342
Noise (dB)	120dB(A)@1m
Service Life (H)	≥300

UAV Application Scenarios

