



SZD-10A Agriculture Drone 10L General Specification

Name	SZD-10A
Type	Agriculture drone
Product positioning	Professional
Flight load	Standard take-off weight: 24KG
	Max. effective take-off weight: 28KG
Hovering precision	Hovering time: 24min (16000MA, take off weight14KG)
	14min(16000ma take off weight 24KG)
	Tested in the environment near the sea surface and the wind speed was below 3m/s
Flight speed	Max. working flying speed: 8m/s
	Max. flying speed: 12m/s
Flight height	Altitude 5000m
Wheelbase	1450mm
Charger	12S two-way 20A
	Charge voltage 44V
	Rated power1000W
Battery	Power battery: 12S 16000 mah
	Water pump battery: 3S 2200 mah
Power dissipation	Flight
	Maximum power consumption: 7040W
	Hovering flight power consumption: 2640W
	Remote control
	Working power consumption: 9W
Fuselage parameter	
Product size	Single arm length: 580mm
	Boundary dimension: 1100*1100*450mm (arms opened and not including propeller)
	1480*350*450mm (folded size)
Product weight	Total weight: 10KG (not included battery)
Application Environment	Recommended working environment temperature: 0-40 Degrees Celsius
	Remote control working environment temperature: -10-40 Degrees Celsius
	Storage temperature: In -20-45 Degrees Celsius Storage time less than 3 month
	Storage time more than 3 month: 22-28 Degrees Celsius
	Charging environment temperature: 0-40 Degrees Celsius
Spraying system parameters	Spraying system
	Water tank volume: 10L
	Standard operating load: 10KG
	Nozzle: 110 degree 001 fan-shaped pressure nozzle, flow 0.379L/min
	Suggest Nozzle: 110 degree 015 fan-shaped pressure nozzle
	Quantity: 4
	Max. Spraying efficiency: 0.43L/min for one 110 degree 001 fan-shaped pressure nozzle
Atomized particle size: 110 degree 001 fan-shaped pressure nozzle: 130-250um	
Motor	Motor
	Stator size: 83*25mm
	KV value: 120rpm/V
	Tension: 12.8KG/rotor
	Max. power: 1760W

Powertrain Parameters	Weight: 820g
	Electronic speed controller
	Maximum operating current: (continuous) 100A
	Working voltage: 50.4V
	Compatible signal frequency: support 621hz signal frequency
	Propeller: 30寸
	Material: carbon fiber
	Diameter * screw pitch: 30*10.5 inch
	Weight: 110g
Radar system	Radar auxiliary set high
	Height measurement range: 1-6 m
	Fixed height range: 1.5-5m
	Measurement accuracy: Less than 10cm
Contact: www.szdrones.com Email: osloor@szdrones.com Whatsapp +8613380386829	