



SZD-15A Drone 15L General Specification	
Name	SZD-15A
Type	UAV
Product Positioning	Professional
Flight Load	Standard take-off weight: 35KG
	Max. effective take-off weight: 40KG
Hovering Precision	hovering time: 22min (22000 MAH, take off weight 20KG)
	11min(22000 MAH take off weight 35KG)
	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	1650mm
Charger	12S two-way 20A
	Charge voltage 44V
	Rated power 1000W
Battery	Power battery: 6S 22000 MAH 12.2V
	Water pump battery: 3S2200ma
Power Dissipation	Flight
	Maximum power consumption: 7920W
	Hovering flight power consumption: 3960W
	Remote control
	Working power consumption: 9W
Fuselage Parameter	
Product Size	Single arm length: 580mm
	Boundary dimension: 1650*1650*720mm (arms opened and not including 680*680*720mm (folded size)
Product Weight	Total weight: 16KG (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: 15L
	Standard operating load: 15KG
	Nozzle: 110 degree 001 fan-shaped pressure nozzle, flow 0.379L/min
	Suggest Nozzle: 110 degree 015 fan-shaped pressure nozzle, flow 0.525L/min
	Quantity: 6
	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	
Powertrain Parameters	Motor
	Stator size: 83*20mm
	KV value: 120rpm/V
	Tension: 11.8KG/rotor



	Max. power: 1320W
	Weight: 780g
	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: 1-15m
	Fixed height range: 1.5-5m
	Measurement accuracy: Less than 10cm