XD-55 winch for drone			
Basic Parameters	Main body dimensions	307*186.8*196mm	Support customized rope length, need to reduce the maximum load weight.
	Main body weight	5000g	
	Mechanical release device weight (optional)	1890g	
	Smart Auto Release Device(optional)	1647g	
	Rope length	30m	
Performance Parameters	Max load weight	55kg	The retracting and extending speed is adjustable, the default is the maximum retracting and extending
	Retraction speed	0.15-0.6m/s	
	Motor speed	32-128RPM	
Supply Voltage	Power supply mode	Battery powered, does not support DCDC power supply	
	Power supply voltage	44-52V	
	Full load rated power	400W	
	Hover power	<20W	
Control Mode	SBUS	Standard	
	Remote control	Standard	
	PWM	Standard	
	RS232/RS422	Optional, can be used for ground station development	
	CAN communication	Optional, can be used for ground station development	
Integrated development function (provide protocol, users conduct integrated development)	Real-time data display	Winch working status	RS232/RS422 control method is required for ground station development.
		Motor working status	
		Delivery module connection status	
		Smart Auto Release status	
		Input voltage	
		Fuse battery voltage	
		Delivery module battery voltage	
		Lowering rope length	
		Retracting speed	
		Motor speed	
		Motor bus current	
		Motor phase current	
		Mounted weight (cable tension)	
		Rope swing heading	
		Rope swing maximum angle	
		Rope swing frequency	
		Rope swing angular velocity	
		Cumulative rope length in use	
		Cumulative number of overloads	
		Cumulative number of fuses	
		System startup time	
		Cumulative startup time	
	Custom settings	Lowering/ascending fixed rope length setting	Need to use RS232/RS422 control mode for custom settings
		Motor retracting speed setting	
Features	Retraction limit	Supports upper and lower limit	
	Automatic line management	The wire wheel supports automatic line arrangement	
	Auto Release	The unhooking device can automatically unhook the cargo when it touches the ground	
	Ground Stop with Auto Unhook	The rope release stops automatically when the cargo touches the bottom	
	Tension Monitoring	Real-time detection of cable tension	
	Sway detection	Real-time detection of the swing angle, direction, and speed of the cable (cannot be eliminated)	
	Power off-brake	Automatic braking when the equipment is powered off to prevent cargo from being thrown.	
	Smart Auto Release, one-click throwing	Optional electric unhooking device can achieve one-click throwing	
	One-click cargo release	Supports one-click automatic cargo release	
	One-click rope fuse	Emergency one-click rope breaking function	
	Slow rise to the top	The cable rises slowly before touching the top	
	Fault alarm	Motor failure, the indicator light flashes yellow quickly	
	No empty load allowed	Under no-load state, the descent command will be stopped after it is triggered to prevent the cable from being entangled	