


ST-51 TECHNICAL SPECIFICATIONS STANDARD DATASHEET

	Specification	Standard
Basic Information	Storage Temp & Humidity	-20°C~+60°C- , =<90% suggested
	Operating Temp & Humidity	-20°C - 50°C, =< %75 suggested
	Dimensions	160 x 166,3 x 295 mm (6.53" x 6.54" x 11.61")
	Net Weight	~2.1 kg
	Power Supply	5V 1A USB Type-B
	Max Propeller Diameter	18 inch
	Sampling Rate	10Hz
Voltage and Current	Voltage Range	0 - 60 V
	Voltage Resolution	0,015 Volt
	Voltage Accuracy	±0.5%
	Current Range	0 - 75 A
	Current Resolution	0,02 A
	Current Measurement Error	±0.3%
Thrust	Range	5 kgF
	Resolution	0.001 kgF (1 gF)
	Measurement Error	±2%
Torque	Range	3 Nm
	Resolution	0,001 Nm
	Measurement Error	±4%
RPM Sensor	Range	0 - 60 000 RPM
	Working Environment	indoor
	Measurement Error	±1 RPM
Motor Temperature	Range	-20 ~ +350 °C
	Resolution	0.02 °C
	Measurement Error	±0.5 °C