Product Technical Specification

1. Electrical Specifications

No.	Item	Specification	Remarks
1	Input Voltage	2-4S	LiPO
2	Continuous Current	20A	With good heat dissipation
3	Burst Current	30A	10s, with good heat dissipation
4	BEC Output Voltage/Current	/	
5	Standby Current	10mA	
6	Weight	2.6g	
7	Dimensions (L×W×H)	29*12*5mm	±1mm
8	Power MOSFET	PE610SA or equivalent	6 pcs
9	Input Capacitor	22uF 25V	7 pcs
10	Waterproof/Damp-proof	/	/

2. Software Specifications

No.	Item	Specification	Remarks
1	Firmware	In-house developed	

2	Throttle Range	1000μs ~ 1500μs ~ 2000μs	Factory default
3	Throttle Deadband	50μs	
4	Throttle Update Rate	1kHz PWM / Oneshot 125 / 400Hz PPM	
5	Throttle Response	Instant	
6	Max. Supported RPM	100,000 RPM	
7	Protection Features	Over-temperature / Low-speed	Configurable
8	Others	/	/

3. Operating / Storage Environment

No.	Item	Specification	Remarks
1	Operating Temperature Range	-10℃~ 85℃	±5℃
2	Ambient Temperature Range	-10℃~ 50℃	±5℃
3	Operating Humidity Range	15% ~ 85% RH	±5% RH
4	Storage Temperature Range	0℃~ 30℃	±5℃
5	Storage Humidity Range	15% ~ 65% RH	±5% RH

4. Peripheral Materials

No.	Item	Specification	Remarks
1	Input Wire / Connector	/	±5mm
2	Output Wire / Connector	/	±5mm
3	Signal Wire	/	
4	Heat Shrink Tubing	/	
5	Housing Material	/	
6	Heatsink	/	
7	Cooling Fan	/	
8	Label	/	
9	Manual	/	
10	Packaging	ESD Anti-static Bag	