

V60A-14S Product Specification

一、Objective

The specification is for design, production, testing and sales of the subject product.

二、Application Scope

For ESC at input voltage of: 18V~60V DC.

三、Performance Requirements

Seq.	Item	Requirement	Remarks
1	Input Voltage (S)	6~14S	Factory inspection item
2	Continuous output current (A)	30A (under certain cooling conditions)	Factory sampling inspection item with DC power supply
3	Peak current (<10s)	60A (under certain cooling conditions) (10S)	Factory inspection item with DC power supply
4	BEC output voltage	No	Factory inspection item
5	Operating ambient temperature (°C)	-20°C~+65°C	±5°C
6	Operating humidity (%)	15%~85%RH	±5% RH
7	Storage temperature (°C)	-40°C~+65°C	±5°C
8	Preservation humidity (%)	15%~85% RH	±5 RH
9	Standby power	≤50mA	
10	Throttle range	1040us~1940us	Fixed throttle range
11	Throttle response speed	300ms	
12	Throttle refresh frequency	50~500Hz	
13	Throttle dead time	1%	
14	Data feedback	Yes	
15	Driving method	PWM&CAN	

四、Main materials/part specifications

Seq.	Item	Specs.			Remarks
1	Input cables	Silicone wires-red/black -14AWG-160mm	Connector	No	±5mm
2	Output cables	Silicone wires-orange -16AWG-60mm	Connector	No	±5mm
3	Signal wires	Shielded wires-black-OD4.2-5C -300mm-JP-3P*2 -black blank white-green yellow grey	Connector	2.54Dupont connector-3P plastic shell	±5mm
4	Encoder wires	Shielded wires-black-24AWG-5C -300mm-M6 aviation connector	Connector	M6Aviation connector	±5mm
5	Shell	Aluminium-silver			

五、Dimensions/drawing

Seq.	Item	Requirement	Remarks
1	Length	77mm	±1.5mm
2	Width	33mm	±1.5mm
3	Height	19mm	±1.5mm
4	Weight	63g(excl. Cables)/85g	±5g, ESC weight (incl. shell)
5	Shell weight	28g	±5g, weight/shell

