感谢您购买本产品！大功率设备的使用具有一定的危险性，错误的使用可能导致人身伤害和设备损坏，为此的我们强烈建议您在使用设备前仔细阅读本说明书，并严格遵守规定的操作程序。我们不承担因使用本产品或擅自对产品进行改造所引起的任何责任，包括但不限于对附带损失或间接损失的赔偿责任。

01 产品简介

该防打火开关具有接入电源时防打火花的功能，有效保护各连接件插头，保护电源以及电子设备。外壳铝合金齿形散热片设计，可以更好地进行散热，降低工作温度。内部灌胶封装工艺，防水等级达 IP67，

02 产品特色

★ 防打火模块在 5m/s 风速散热条件下最高可接 300A 电流持续使用。
★ 防打火模块在正常使用寿命情况下可不限次数连接使用，比防打火插头更具优势。
★ 防打火模块插头插碰连接时延时 4S 全部开通，可完全消除火花（防打火插头插碰连接还有轻微火花）。
★ 可选配电子开关，随时控制通断。

03 产品规格

产品名称	支持电压	最大电流	尺寸（不带螺丝孔位）	重量
14S-300A 防打火模块	36V-60.9V	300A	98.0*90.0*24.0mm	518.5±5g
18S-300A 防打火模块	36V-78.3V	300A	98.0*90.0*24.0mm	518.5±5g

04 使用连接方式

注意：请使用较大功率的焊接设备对电源线进行焊接，并且保证焊接设备可靠接地。

接线示意图

第一步：
对防打火模块输入端以及输出端焊接插头用以连接动力电源和负载设备
第二步：
先对防打火模块输出端与分电板线路或者电调等负载连接 (必须先连接防打火模块与负载，然后再连接防打火模块与电池才能实现防打火功能)
第三步：
前期的所有连接完成以及准备起飞工作完成后，最后将电池接入防打火模块给飞机供电，即可飞机随时起飞。选配带开关的版本，需要短按1秒再长按开 关 5 秒，待开关上的LED灯长亮，才会通电。关机方法也是短按加长按。

注意：防打火模块放置在电池旁边或者飞机外部与风散热使用效果更佳，推荐此方法使用；若长时间使用防打火模块外壳温度可达 110℃请降低功率使用，否则有烧防打火模块断电的风险！

Thank you for purchasing this HOBBYWING product! The use of high-power devices can be dangerous, any improper use may cause personal injury and damage to devices, so please make sure to read through this manual before use and strictly abide by the prescribed operating procedures. We are not liable for any liability arising from the use of this product or the unauthorized modification of the product, including but not limited to, incidental or indirect losses.

01 Introduction

The anti-spark module has anti-spark function when connect it to power supply, which effectively protect plugs, power supply and electronic devices. The aluminium alloy dentate heat sink design of shell can better dissipate heat and reduce working temperature. Internal glue filling and packaging technology. The waterproof grade up to IP67.

02 Features

★ The anti-spark module can be connected to 300A current continuously under the condition of 5m/s wind speed dissipation heat.
★ The 5 m/s wind speed heat dissipation and anti-spark module can be connected to use unlimited times under normal service life, which is more advantageous than anti-spark plug.
★ It can completely eliminate sparks if connect the anti-spark module plug and delay 4S to switch on (There is slight sparks when connect anti-spark plug)
★ Optional electronic switch can be used to control on-off .

03 Specifications

Product name	Input voltage	Max Current (good heat dissipation)	Volume (with screw holes)	Weight
14S-300A-SEPS	36V-60.9V	300A	98.0*90.0*24.0mm	518.5±5g
18S-300A-SEPS	36V-78.3V	300A	98.0*90.0*24.0mm	518.5±5g

04 Connection mode

Note: Please use high-power welding equipment to weld power line, and ensure the reliable grounding of the welding equipment.

- Frist step： Weld plug for input end and output end of anti-spark module to connect power supply and load equipment.
- Second step：Firstly connect the output end of anti-spark module with distributor circuit or ESC load（Must connect anti-spark module and load first， then connect anti-spark module and battery can realize anti-spark function.）
- Third step： After all the connections and takeoff preparations are completed， connect battery to anti-spark module to supply power for the drone， then the drone can take off at any time. Optional version with switch, you need to press and hold the switch for 1 second then 5 seconds to power on the aircraft.

Note: It is recommended that the anti-spark module would be better placed next to the battery or outside the drone to dissipate heat in the wind.If use anti-spark module for a long time and its shell temparature reaches 110℃，please reduce power to use，otherwise the anti-spark module will be burnt and power off.