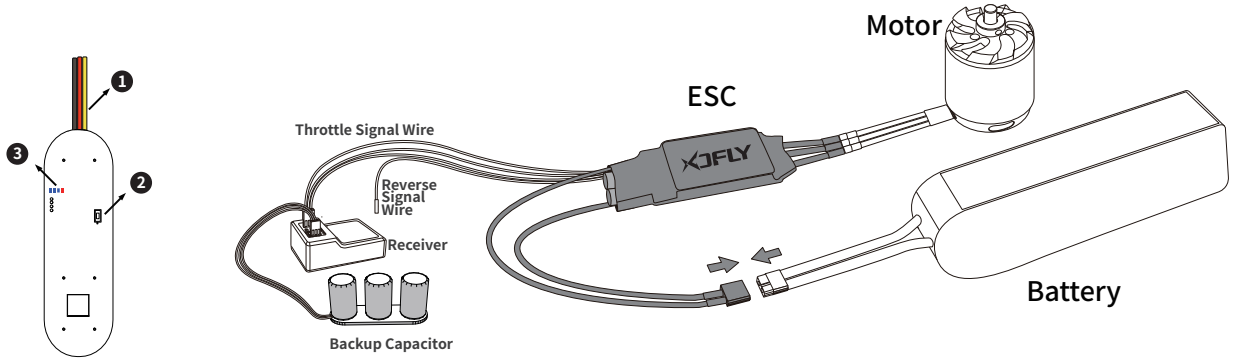
XDFLY User Manual of Backup Capacitor

Product Specification

Model	Backup Capacitor 60F	Backup Capacitor 60F V1	Backup Capacitor 25F	Backup Capacitor 25F V1
Size	60*50*23 mm	73*48*19 mm	60*36*23mm	66*33*19mm
Weight	60g	64g	41g	38g
Input Voltage	6V~8.4V (Max 9V)	6V~12V(Max13V)	6V~8.4V (Max 9V)	6V~12V(Max 13V)
Output Current	25A	25A	25A	25A

Connection Diagram



1. The Brown/Red/Orange cable: the brown wire is the GND wire, the Red wire is the Positive wire, and the orange wire is the signal wire, plug it into the receiver any available channel.
2. Switch
3. LED indicators

LED indicators

1.After connecting the backup capacitor with the Receiver (the Receiver is powered on), the backup capacitor' s red LED flashes (around 3 seconds) for self-test, then start to be charged automatically.

2.The blue LED flashes in turn during the charging process, when the capacitor is fully charged, the LED will light solid blue.

Usage

1.The capacitor will automatically supply power to the receiver when the receiver was cut off power for some reasons, so that you still can control the servo and let the aircraft land safely.

2.Two ways to control, one ways is by switch, the other way is by throttle signal. (The 3 PIN orange signal wire is equal to the switch function)

a. When the throttle channel is not connected, after connecting the backup capacitor with the Receiver (the Receiver is powered on), the backup capacitor' s red LED flashes (around 3 seconds) for self-test, then start to be charged automatically.

b. When the throttle channel is connected, and the throttle frequency is in the range of 50hz~600hz, the backup capacitor is ON when the backup capacitor channel' s throttle value is over 1500, it charges and discharges normally; and the backup capacitor is OFF when the throttle value is less than 1500, the backup capacitor is not working.

Remark:

1.If use the throttle signal to control the capacitor on/off mode, the throttle signal value need to be more than 1500 when the ESC powered on, and you can set throttle value less than 1500 after the ESC is powered off.

2. There is no responds when pressing the switch during the charging, the backup capacitor only can be switched off when the capacitor is not in charging status.

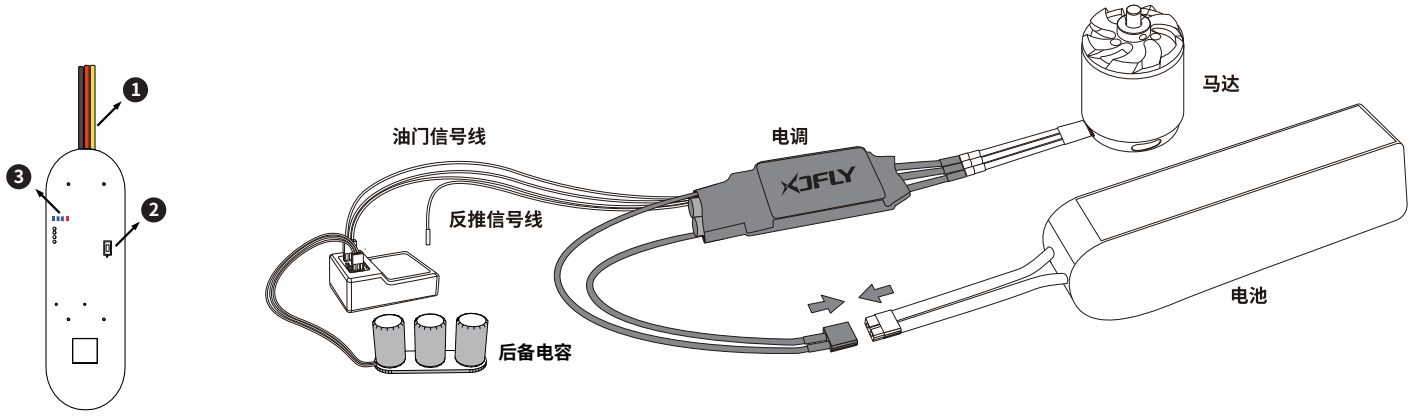
Shenzhen XDFly Technology Co., Ltd.
Website: www.xdfly.com
Email: sales@xdfly.com

XDFLY 后备电容使用说明书

产品规格

型号	外置电容包 60F	外置电容包 60FV1	外置电容包 25F	外置电容包 25F V1
尺寸	60*50*23 mm	73*48*19 mm	60*36*23mm	66*33*19mm
重量	60g	64g	41g	38g
输入电压	6V~8.4V（最大不超过9V）	6V~12V(最大不超过13V)	6V~8.4V（最大不超过9V）	6V~12V(最大不超过13V)
输出最大电流	25A	25A	25A	25A

连接示意图



❶ 棕红橙线：棕色线代表地线，红色线代表正极线，橙色线代表信号线，插入接收机其它任意空闲通道。
❷ 开关
❸ LED指示灯

LED指示灯

1.后备电容连接接收机后，此时开始闪红灯自检（大概3S），自检完成后开始自动充电。

2.充电过程中，三颗蓝灯依次闪烁，直至三颗蓝灯常亮代表充满电。

用途

1.飞机在飞行过程中，由于某种原因接收机被断电，此时后备电容则会自动给接收机供电可控制舵机使飞机安全降落。

2.有两种控制方式，一是开关按键，二是通过油门信号(引出的3PIN线中，橙色信号线可等同于按键的作用)。

a.不接油门信号的情况下，后备电容连接接收机后，此时开始闪红灯自检（大概3S），自检完成后开始自动充电。

b.接油门信号的情况下，在油门频率在50hz~600hz范围内，若后备电容连接通道的油门值大于1500，表示此时是打开状态，正常充放电；油门小于1500，说明此时是关闭状态，后备电容不工作。

❗注：

1.在使用油门信号进行控制时，开机时需要时刻把此油门信号设置到大于1500，后备电容才会正常充放电，只有关机时才将油门值设置到小于1500。

2.后备电容充电过程中按下开关键无反应，可在后备电容断电后按开关键可使后备电容关闭。

Shenzhen XDFly Technology Co., Ltd.
网址：www.xdfly.com
邮箱：sales@xdfly.com