

# Electric F5J Rules

## Airframe

– No limit on size or control functions.

## Power System

– Direct drive motor (of any type) with a published weight of no more than 68 grams.

## Battery

3 or fewer LiPo cells (any capacity)

9 or fewer NiCd or NiMH cells (any capacity)

3 or fewer LiFePO (a.k.a. LiFe or M1) (A123 or other manufacture)

## Task

Man on Man in a 10 minute round (Working Time 10 minutes)

One unlimited continuous motor run

Flight time starts when you stop the motor

Landing in a 15 meter diameter circle yields 30 points

Landing after the 10 minute working time ends yields no landing points.

The power system will work well in sailplanes from 1.5 to 2 meter, or even larger if built light.

Suitable power systems for this class (motor, ESC and battery) are now very inexpensive.

## Some motor suggestions

### Good Quality

\*\* Hyperion GS2213-16 <http://aircraft-world.com/shopexd.asp?id=5166>

Scorpion 2215-18 [http://www.innov8tivedesigns.com/product\\_info.php?cPath=21\\_25\\_37&products\\_id=36](http://www.innov8tivedesigns.com/product_info.php?cPath=21_25_37&products_id=36)

### Cheap

KDA 2215M [http://www.hobbycity.com/hobbycity/store/uh\\_viewItem.asp?idProduct=2105&Product\\_Name=KD\\_A22-15M\\_Brushless\\_Outrunner\\_Motor](http://www.hobbycity.com/hobbycity/store/uh_viewItem.asp?idProduct=2105&Product_Name=KD_A22-15M_Brushless_Outrunner_Motor)

Add a 25amp or more speed control and a 1000 to 1500 mah high C rated (30C +) battery

**\*\* Note: Motor and link changed**