

# Technical specifications of lifting motor block

## MODEL: VTEM 22

<b>Motor</b>	REST MOTOR 2100
<b>ESC</b>	REST LIPO 14S
<b>Propeller</b>	Aeronaut CAM 13x11

### Technical specifications :

<b>Propeller diameter</b>	13±1 inches
<b>Pitch</b>	11±1 inches
<b>Height</b>	≤ 550mm
<b>Weight</b>	≤ 750g
<b>Required static thrust</b>	3.13kgf
<b>Maximum power required</b>	2100W
<b>Internal Resistance</b>	76mΩ
<b>Configuration</b>	12N14P
<b>Maximum current (for motor)</b>	45A
<b>Operating voltage</b>	12S LiPo (44.4÷50.4 VDC)
<b>Maximum rotation speed</b>	12000



# Technical specifications of Motor

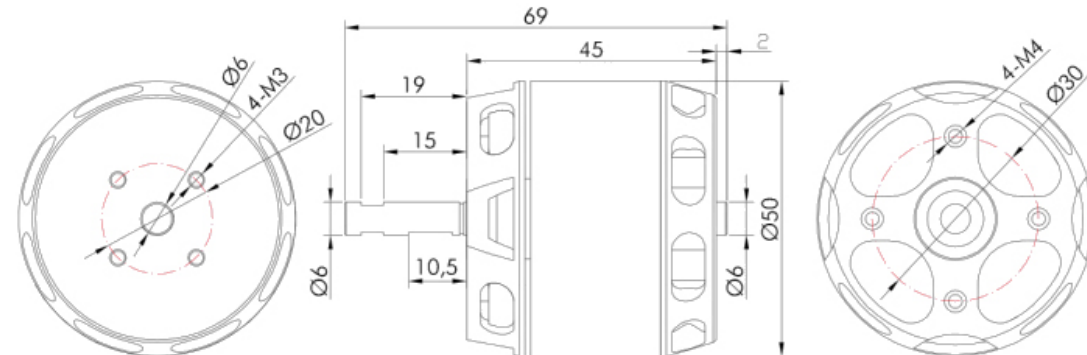
## MODEL: REST MOTOR 2100



### Technical specifications :

<b>Dimensions (DxH)</b>	Φ50*69mm
<b>Weight</b>	304g
<b>Lead</b>	Enameled Wire100mm
<b>Maximum power (180s)</b>	2100W
<b>Operating voltage</b>	12S LiPo (44.4÷50.4 VDC)
<b>Internal Resistance</b>	76mΩ
<b>Peak current (180s)</b>	45A
<b>Configuration</b>	12N14P

### Technical Drawing



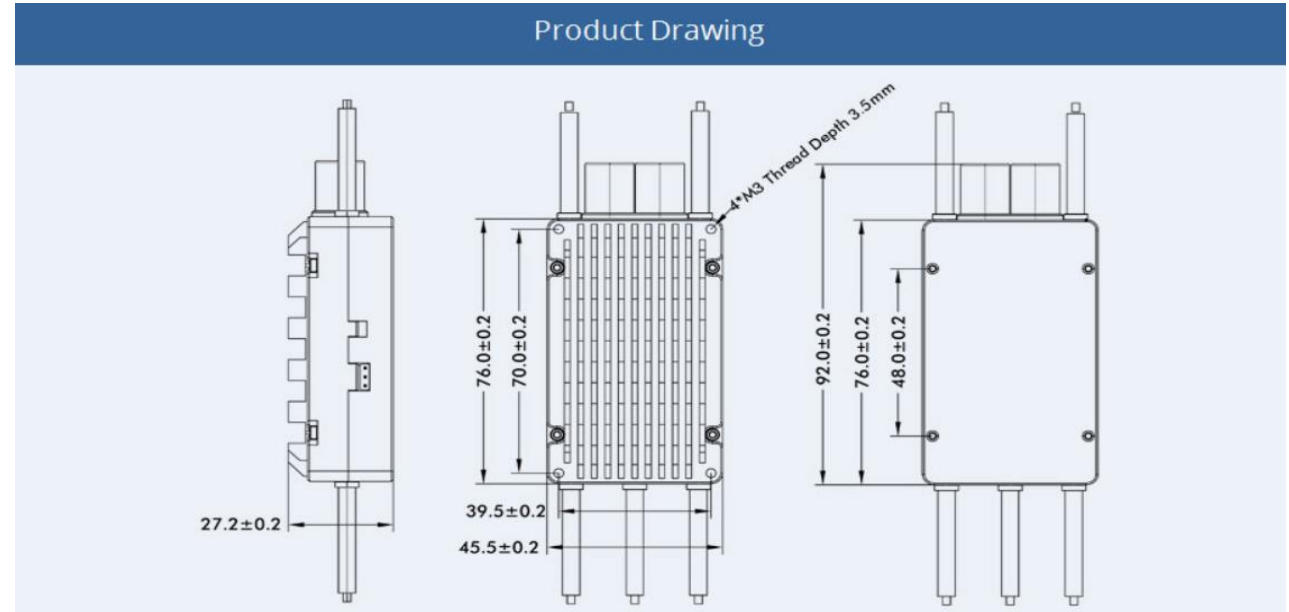
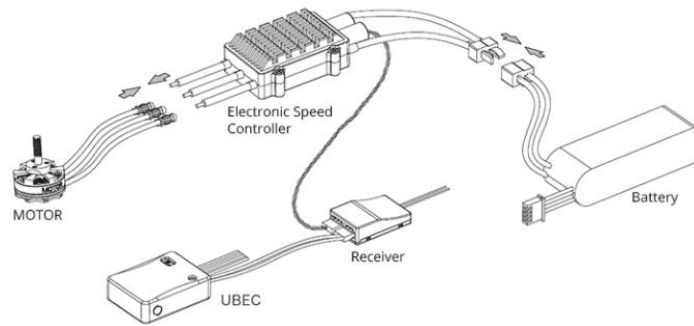
# Technical specifications of ESC



## MODEL: REST LIPO 14S

### Technical specifications :

<b>Dimensions (LxWxH)</b>	92x46x27.3 ±1mm
<b>Weight</b>	182 ± 1 g
<b>Maximum current</b>	115 A
<b>Operating voltage</b>	12S LiPo (44.4÷50.4 VDC)
<b>BEC Mode</b>	Switch





## 13x11' Aeronaut Cam-Carbon blades

### Descriptions

The new generation of folding propellers from Rudolf Freudenthaler, exploiting CAM technology. The very thin, carefully optimised blade profile and computer-calculated airfoil sections guarantee very high accuracy and excellent efficiency combined with low power absorption from the electric motor. All blades are made exclusively from a mixture of carbon fibres and nylon, which has proved excellent in our propellers over many years, as it endows the blades with very high torsional rigidity. These blades are very light in weight thanks to the extremely thin blade profile and the materials employed.

### Features

- Size in inches:  
Propeller diameter: 13 ± 1 inches  
Pitch: 11 ± 1 inches
- Size in Centimeter: 33,0 x 28,0cm
- HUB thickness: 8mm
- Bore: 3mm
- Max RPM: 12000
- Rotation: Left (CCW)

