

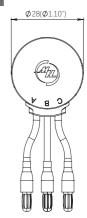
### 01 Warnings

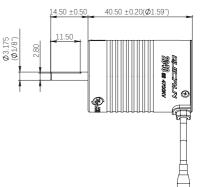
- Read the manuals of all the items being used in the build. Ensure gearing, setup, and overall install is correct and reasonable.
- All connections, must be made correctly. You may loose control, or run into major issues caused by improper, bad, weak, or poor connections.
- Never apply full throttle if the pinion is not installed. Due to the extremely high RPMs without load, the motor may get damaged.
- Stop usage if the motor exceeds 100°C/212°F . High temperature will damage the motor and cause the rotor to weaken.

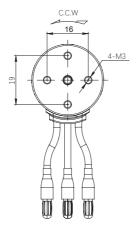
### **02** Specifications

Model	кv	LiPos	No-load Current	Diameter/ Length	ShaftDiameter/ Length	Bearing size (mm)	Poles	Weight	Applications
QUICRUN 2840SL-4700KV G2	4700KV	25	3.1A	φ=28mm(1.1") L=40.5mm(1.59")	φ=3.175(0.13*) L=14.5(0.57*)	Front: D9*D4*t4 Rear: D9.525*D3.175*t3.967	4	89g	1/14 On-road/Buggy/Short Course Truck, 1/16 Truck/Monster truck
QUICRUN 2850SL-4700KV G2	4700KV	25	4.3A	φ=28mm(1.1") L=50.5mm(1.99")				125g	1/14 Truck/Monster truck , 1/12 On-road/Buggy
QUICRUN 2850SL-3400KV G2	3400KV	2-35	2.8A					125g	

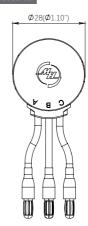
#### QUICRUN 2840SL G2

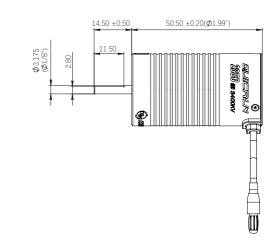


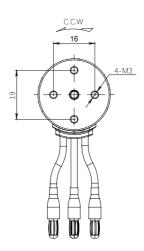




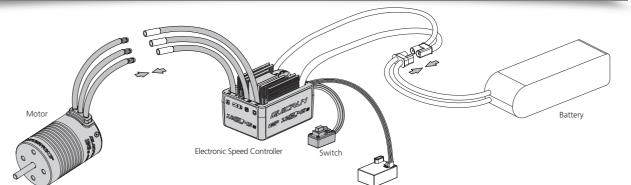
### QUICRUN 2850SL G2







### 03 Installation & Connection







#### 1. Installation of the motor

There are 4 motor mounting holes in M3 specification, and the mounting holes are 4mm in depth, before installing the motor on the vehicle, please carefully confirm whether the specification of the screws is appropriate according to the thickness of the motor mounting plate to avoid damage to the motor due to too long screws.

#### 2. How to Connect the Motor to an ESC

There is no strict wire sequence requirement for the connection between the motor and the esc, the # A/# B/# C three wires of the motor and esc can be connected at will, if the motor rotation in the opposite direction, you can exchange any two wires.

#### 3. Inspection

Before powering on the esc, please check the motor installation and the order of allconnections.

# **04** Gearing

Reasonable selection of gear ratio is very important. Improper gear ratio may cause damage. You can select the gear ratio according to the following points!

#### 1. The operating temperature of the motor

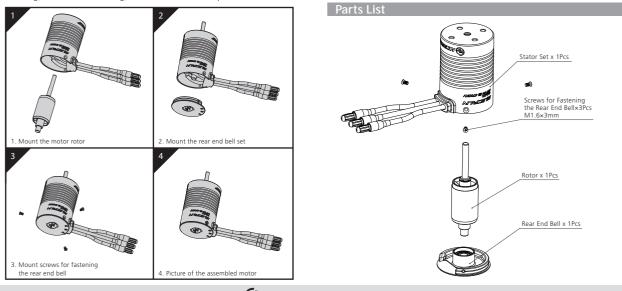
The motor temperature should be lower than 100 degrees Celsius (212 degrees Fahrenheit) in operation. High temperature may cause the magnets to get demagnetized, the coil to melt and short circuit, and the EsC to getdamaged. A suitable gearing ratio can effectively prevent the motor from overheating.

#### 2. The principle of selecting gear ratio

To avoid the possible damage to ESC and motor caused by the overheating, please start with a small pinion/a big FDR and check the motor temperature regularly. If the motor and ESC temperature always stays at a low levelduring the running, you can change a larger pinion/a lower FDR and also check the motor temperature regularly to ensure that the new gearing is suitable for your vehicle, local weather and track condition. (Note: For thesafety of electric devices, please check the ESC and motor temperature regularly.)

# **05** Assembly and Disassembly

In order to make the motor have longer service life and higher efficiency, we suggest to regularly check the bearing and clean the dirt in the motor. The specific time depends on the frequency of using the motor and the site conditions. When installing, please follow the steps in the following assembly drawing; when disassembling, follow the reverse steps.



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