



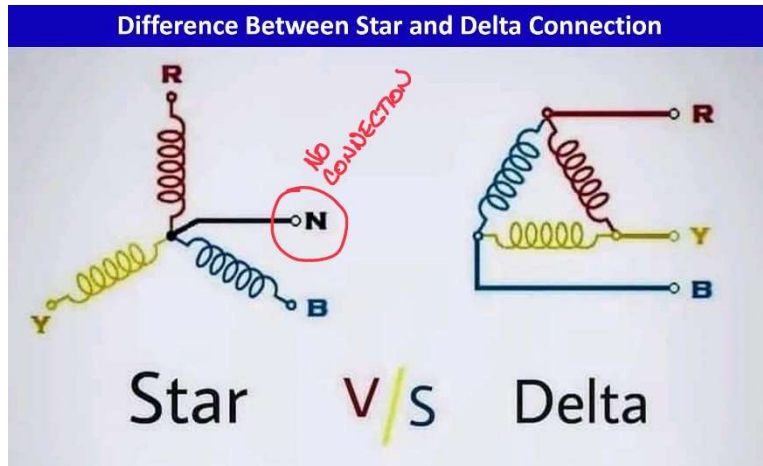
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TECH CORNER

1106.3200Kv BLDC Motor Winding

Brushless DC motors can have different types of windings:

- 1) Star or sometimes called wye (Y) and
- 2) Delta (Δ) connections



The diagram shows two types of windings. The wires marked R Y B are connected to the ESC.

In the diagram for the Star winding there is a leg where the three phases come together and have no ESC connection. This leg connection of each phase in the center. This connection is made and a shrink tube covering is applied and the connection is tucked in between the base and the stator.

Briefly without an in-depth discussion - a Star winding is provided when a high starting torque and lower current draw is desired. A Delta connection is often chosen for a higher speed with lower starting torque.

It has been reported by some racers that there are loose or broken wires on the 1106.3200Kv motors. Upon further investigation in reported cases, it was determined that the Star end connection is what was viewed.



The red arrow points to the Star center connection wiring endpoint that is covered with shrink tubing and tucked between the mounting bracket and stator wiring.

So, if you find this wire end is moved out of position just tuck it back between the base mounting bracket and the windings and go back to racing.

Now Get out... Go racing... and most of all enjoy!