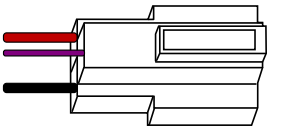
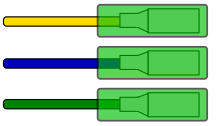
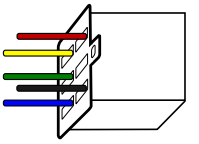
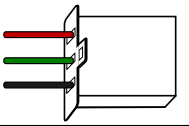
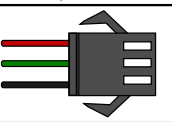
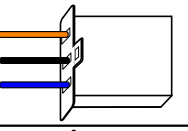
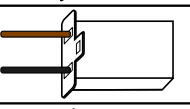
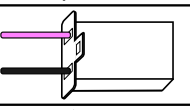
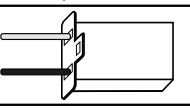
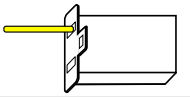
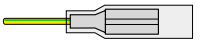
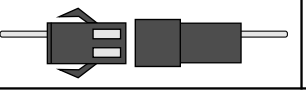
SPD-36350BLDC 36 Volt 250-350 Watt Brushless DC Motor Controller

Operating Voltage: 30 through 44 Volts DC (36 Volt Battery Pack)
Power: 250-350 Watts (Compatible with 250-350 Watt Brushless DC Motors)
Current Limit: 18 Amps (18 Amps Maximum Current Output)
Low Voltage Protection: 30 Volts (Turns Motor Off When Battery Pack Is Under 30 Volts)
Works with both Sensored and Sensorless Brushless DC Motors
Compatible with 120 Degree and 60 Degree Phase Angle Motors

Input Power and Power Switch Wires		Red Wire to Battery Positive + Purple Wire to Power Switch Contact Black Wire to Battery Negative - *When Purple Wire makes contact with Battery Positive Wire the power is on.
Motor Phase Wires		Yellow to Yellow Motor Phase U Wire Blue to Blue Motor Phase V Wire Green to Green Motor Phase W Wire
† Motor Hall Sensor Wires		Red to Red Motor Hall Wire +5V Black to Black Motor Hall Wire Negative - Yellow to Yellow Motor Hall U Wire Green to Green Motor Hall W Wire Blue to Blue Motor Hall V Wire
* Throttle Wires		Red +5 Volt Output Green 1-4 Volt Signal Input Black Negative -
* Pedal Assist (PAS) Wires		Red +5 Volt Output Green PAS Signal Input Black Negative -
† 3 Speed Control Wires		Orange High Speed Black Medium Speed Blue Low Speed BLK to ORG = High BLK to BLK = Med BLK to BLU = Low
† Reverse Wires		Brown to Reverse Switch Contact Black to Reverse Switch Contact
† Cruise Control Wires		Pink to Cruise Control Switch Contact Black to Cruise Control Switch Contact
† Low Level E-Brake Wires		White to Low Level Brake Switch Contact Black to Common Brake Switch Contact
† High Level E-Brake Wires		Yellow to High Level Brake Switch Contact
† Speedometer Wire		Yellow/Green to Speedometer Positive +
** Self Learning Wires		Connect Together for Self Learning Mode Disconnect After Self Learning Is Completed

† Optional Connections: These wires do not need to be connected for the controller to operate.

* Either the Throttle and or Pedal Assist Sensor wires need to be connected for the controller to operate.

** The Self Learning Wires can be connected together to train the controller to operate with the motor that it is attached to and then disconnected after the training has been completed.