

SPD-481500BLDC 48-72 Volt DC 1500 Watt Brushless DC Motor Controller

Operating Voltage: 48 through 84 Volts DC (Works with 48V, 60V, and 72V Battery Packs)

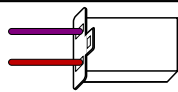
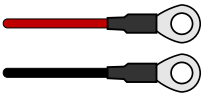
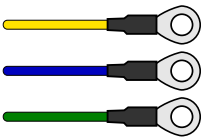
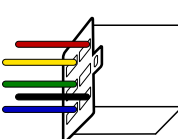
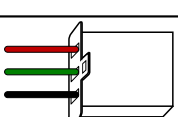
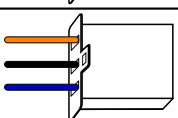
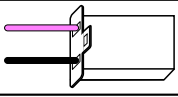
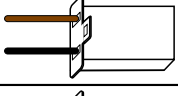
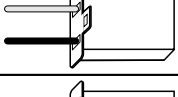

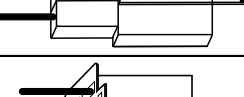
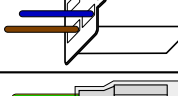
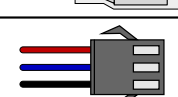
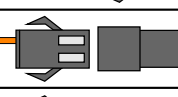

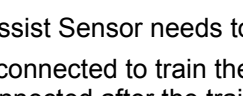
Power: 1500 Watts (Works with 1500-1600 Watt Brushless DC Motors)

Current Limit: 45 Amps (45 Amps Maximum Current Output)

Low Voltage Protection: 41.5 Volts

Works with both Sensored and Sensorless Brushless DC Motors

Compatible with 120 Degree and 60 Degree Motor Phases

Power Switch Wires		Purple to Power Switch Contact Red to Power Switch Contact	
Input Power Wires		Red Wire to Battery Positive + Black Wire to Battery Negative -	
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 GND Yellow to Yellow Motor Hall U Wire Green to Green Motor Hall V Wire Blue to Blue Motor Hall W Wire	
* Throttle Wires		Red +5 Volt Output Green 1-4 Volt Signal Input Black Ground	
† 3 Speed Control Wires		Orange High Speed Black Medium Speed Blue Low Speed	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> BLK to ORG = High BLK to BLK = Med BLK to BLU = Low </div>
† Cruise Control Wires		Pink to Cruise Control Switch Contact Black to Cruise Control Switch Contact	
† Reverse Wires		Brown to Reverse Switch Contact Black to Reverse 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	
† Alarm Power Wires		Red to Alarm Positive + Input Black to Alarm Positive - Input	
† Alarm Signal Wires		Black to Vehicle Power On Signal Blue to Motor Disable Signal Brown to Alarm Power On Signal	
† Speedometer Wire		Yellow/Green to Speedometer	
* Pedal Assist Sensor Wires		Red +5 Volt Output Blue 1-4 Volt Signal Input Black Ground	
† Regen Braking Wires		Orange to Regen Braking Switch Contact Orange to Regen Braking Switch Contact	
** 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 needs to be connected for the controller to operate.

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