

Wiring Directions

Model: 48 Volt 500 Watt Brushless Motor Controller
Type: Sensor/Sensorless 120 degree / 60 degree

Parameters:

Voltage: 48 Volts DC
 Power: 500 Watts
 Current Limit: 30 Amps
 Low Voltage Protection: 41.5 Volts

Wiring Directions:

Power	Thick Red > +48V DC		Brake (low)	
	Thick Black > GND			
	Thin Red > Power On/Off		Brake (high)	
Phase wires go to female bullet connectors Motor Sensor wires go to female 6 terminal connector	Phase (thick)	Yellow > U		Cruise Control
		Blue > V	Pink > Q	
		Green > W	Black > GND	
	Sensor (thin)	Red > +5V	Three Speed	
		Black > GND		
Yellow > U				
Green > V		Speedometer		
	Blue > W			
Throttle Throttle wires go to male 6 terminal connector	Red > +5V		Reverse	
	Green > Send			
	Black > GND		Battery Indicator	
PAS			Speed Limiter	

Notes:

- 1: Black > GND wires can be bridged to the Power Thick Black > GND wire.
- 2: Only the Power, Motor, and Throttle connections are required for operation. All other connections are optional.
- 3: Thin red power on/off wire connects to +48V DC for power on.