

Wiring Directions

Model: 48 Volt 1000 Watt Brushless Motor Controller
Type: Sensor/Sensorless 120 degree / 60 degree

Parameters:

Voltage: 48 Volts DC
 Power: 1000 Watts
 Current Limit: 45 Amps
 Low Voltage Protection: 41.5 Volts

Wiring Directions:

Power	Thick Red > +48V DC		Brake (low)	White > Signal Low
	Thick Black > GND			Black > GND
	Thin Purple > Power On/Off		Brake (high)	Single Yellow > Signal High
Motor	Phase (thick)	Yellow > U		Cruise Control
		Blue > V	Black > GND	
		Green > W		
	Sensor (thin)	Red > +5V	Three Speed	Orange > K1
		Black > GND		Black > GND
		Yellow > U		Blue > K2
Green > V		Speedometer	Single Green > S+	
Blue > W				
Throttle (White Connector)	Red > +5V		Reverse	
	Green > Send			
	Black > GND		Battery Indicator	Single Purple > + 48V
PAS (Black Connector)				Black > GND
			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.