

# Wiring diagram

**Model: 48V 500W**

**Type: Sensor/sensorless**

**Controller size:**

**Parameter:**

- 1) Voltage: DC48V
- 2) Power: 500W
- 3) Current-limit: 30A
- 4) Low-voltage protection : 42V±0.5V

## Wiring Diagram:

<b>Power</b>	Thick Red → +48V		<b>Brake (Low)</b>	White → SL
	Thick Black → GND			Black → GND
	Thin purple → power on/off		<b>Brake 2 (High)</b>	Single Yellow → SH
<b>Motor wire</b>	<b>Phase (thick)</b>	Yellow → U		Empty
		Blue → V	<b>Cruise</b>	Pink → Q
		Green → W		Black → GND
	<b>Sensor (thin)</b>	Red → +5V	<b>PAS (with black connector)</b>	Red → +5V
		black → GND		Green → ZL
		yellow → U		Black → GND
		green → V	<b>Meter</b>	Single Green → S+
	blue → W	<b>Speed limit</b>	Thin Blue → Thin Blue	
<b>Throttle (with white connector)</b>	Red → +5V		<b>Battery indicator</b>	
	Green → SD			
	Black → GND			Single purple → +48V