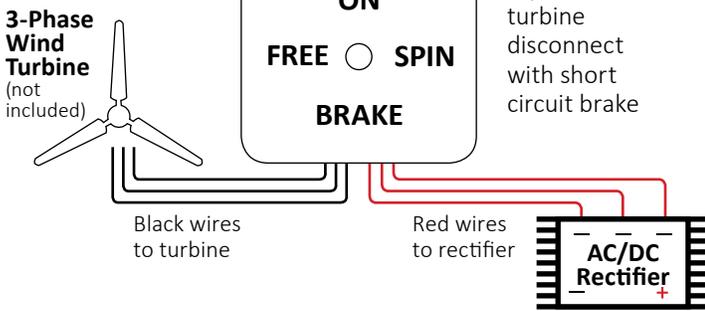
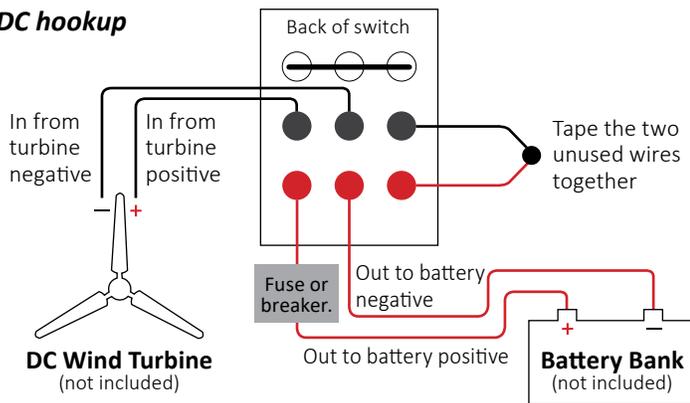


Brake Switch or Brake Switch with Rectifier Combo Instructions

3-phase hookup

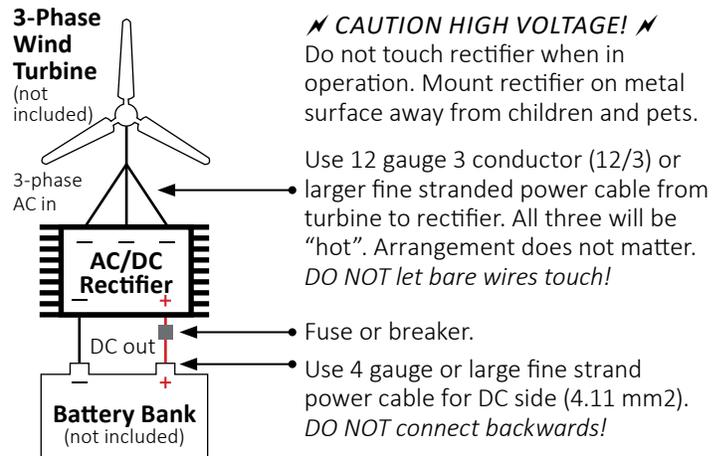


DC hookup



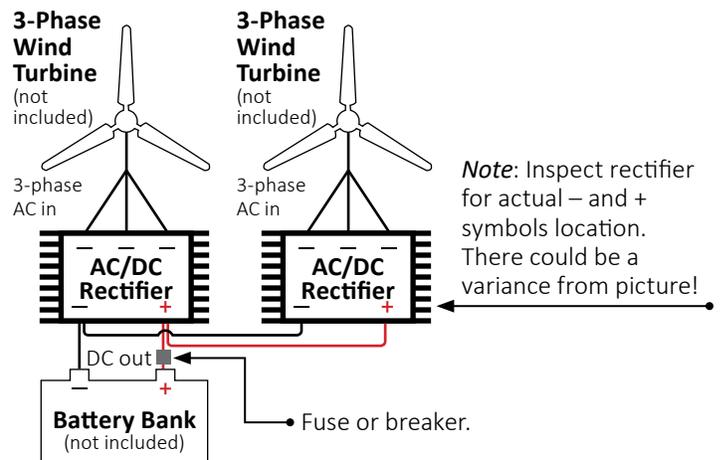
DO NOT INSTALL OR WORK ON THIS UNIT WHEN ATTACHED TO ANY ACTIVE ENERGY SOURCE (WIND TURBINE/SOLAR, ETC.). THE ELECTRICAL POWER FROM A WIND TURBINE OR SOLAR PANEL CAN CAUSE SERIOUS INJURY OR DEATH!!! Note: The color of the wires on the brake switch does not indicate positive or negative, for reference only. **3 Phase AC Turbine Switch Wiring:** Use all 3 wires for a 3 phase system (3 wire turbines). **DC Turbine Switch Wiring:** Use one black and one adjacent red for a + positive wire, and the other black and other adjacent red for a - negative wire. If this unit comes pre-assembled and wired to a rectifier you cannot use the brake switch for a DC output turbine until the rectifier is un-wired and removed first! We recommend using twist-on wire connectors. Please note: a DC fuse or breaker should be connected after this unit to protect against over-current and/or short circuits. The fuse should be rated at no more than 50 amps. Use the smallest fuse applicable to your system but not to exceed 50 amps. Place the fuse in the positive line after the rectifier. Do not install this unit in a highly humid environment or outdoors. We are not responsible for installation, operation or maintenance of this switch or associated parts; nor any damage to property, injury or death resulting from installation, operation or misuse of this unit or associated parts. **Warning:** Wait until in-between high wind gusts to brake your turbine until the wind has slowed below approximately 20 mph (32 km/hr, 5.6 m/sec). The blades may never completely stop but instead run slower. This is normal. Lower your turbine down in extremely high winds. See your manufacturer's recommendations.

Single PMA or Turbine Wiring:



When using a charge controller follow its wiring diagram from turbine(s) to batteries. Mount rectifier near batteries but out of reach of children to keep DC wires short as possible. TIP: You can use some of your extra 12/3 cord to make a positive and negative DC cord. Twist ends together.

Dual PMA or Multiple Wind Turbine Parallel Wiring:



Each dual PMA must have two 12/3 power cords. You cannot combine a dual PMA or multiple wind turbines on the same 12/3 cable or rectifier AC side. You can combine several rectifiers on the DC side. Voltage output stays the same in parallel but with more amps. You need to double up wire or wire size on DC side when in parallel.

A wind turbine can produce much higher voltage than your battery voltage and this is how it charges them. The rectifier does NOT voltage regulate the output. You must use some sort of charge controller. **Warning:** If you reverse the positive and negative connections from rectifier to controller or batteries the wind turbine will burn up. Double check the + and - marks on your rectifiers before connections are made.