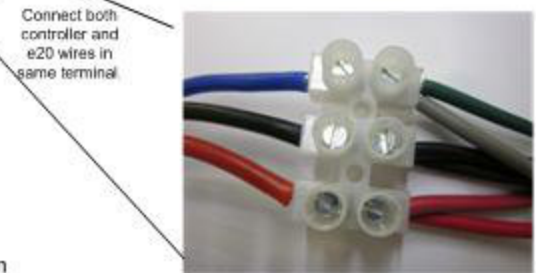
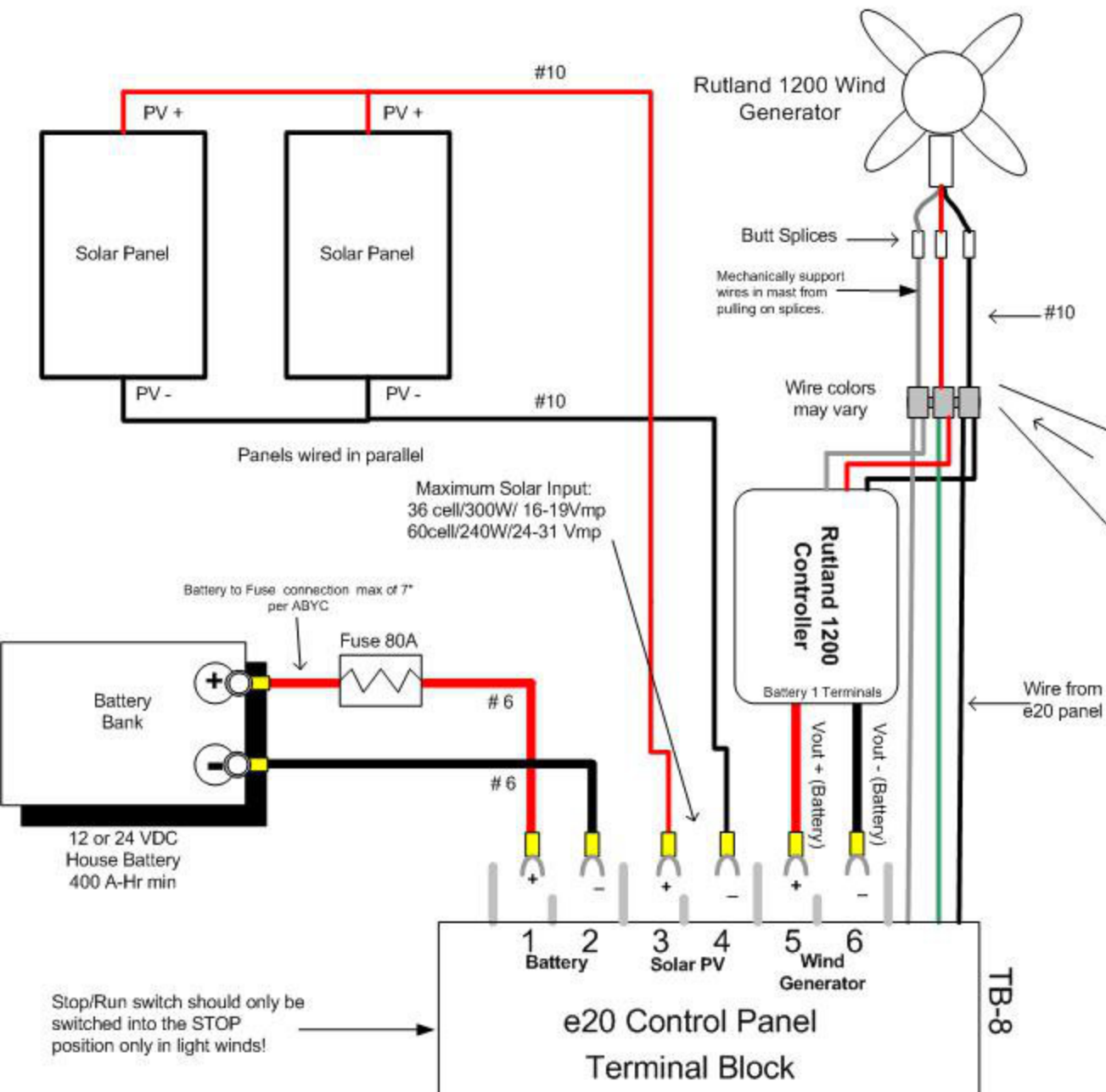


Typical Connection Diagram

Hybrid 300W Solar PV and Rutland 1200 Wind Generator

Notes:

- 1) Wire size is critical to the successful operation of the renewable energy system. If greater wire lengths are needed, wire size may have to be changed and sized to allow a maximum of 3% voltage drop over the distance of the connection.
- 2) Locate the e20 control panel in an area close to the house battery bank but outside any high temperature areas. Do not install in a tight battery compartment or one that houses vented wet cell batteries.
- 3) Do not run wires in bundles that contain SSB radio antenna.
- 4) Mechanically secure wind turbine blades from rotating and cover solar panels prior to making any connections. DANGER... A rotating turbine or solar panel exposed to sun light will generate voltage on it is leads which can cause physical harm or damage to the equipment it is being connected to!
- 5) Always place Stop/Run switch on e20 panel in "Stop" position prior to making connections to the e20 panel.
- 6) Crimp & Butt splice connections are critical for proper system operation. Use proper crimping tools and cleanly stripped wires when making these connections.
- 7) Mount and wire external wind controller as close as possible to the e20 panel. It may be necessary to view LED indicators and therefore an easy visual location should be considered. Be sure the brake switch (if equipped) on the external wind controller is left the OFF position. This switch will not be used.
- 8) The last circuit connection made must be to the battery. Circuit Breakers on the e20 must be placed in "Off" position prior to making this final connection.



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