



Battery Separator Connection Diagram

Battery Separator Installation Instructions

1. Install battery separator in a location close to the MAIN battery bank. Avoid installing in a location which may be exposed to high temperature such as near the engine.
2. Connect per connection diagram using the appropriate wire size.
3. For the optional automatic auxiliary start feature, connect a 14AWG wire from the start position of the ignition switch to the Start Signal terminal of the Battery Separator. Ignition switch start signal must be above 3V_{DC} in order to provide automatic boost. For manual operation, follow the connection diagram using a momentary boost switch.
4. For the optional Start Indicator Lamp, follow the connection diagram using a 14AWG wire. Start Indicator Lamp will illuminate when the auxiliary start function is activated. Maximum current draw must be less than 250mA_{DC}.

Battery Separator Operating Instructions

1. Verify the operation of the Battery Separator. While the MAIN battery is in charge, the Battery Separator will activate when MAIN battery voltage rises to 12.6~13.0V_{DC} (Note 6) and deactivate when voltage drops below 12.0~12.6V_{DC} disconnecting the AUXILIARY battery from the MAIN battery.
2. For the bi-directional version (Note 7), Battery Separator will activate if either the MAIN or AUXILIARY battery voltage is above 12.6~13.0V_{DC} and deactivate when voltage drops below 12.0~12.6V_{DC}.
3. Auxiliary start function should be used when the MAIN battery voltage is lower than the AUXILIARY battery. AUXILIARY battery voltage must be above 10V_{DC} and the Start Signal must be above 3V_{DC}.

Note 6: BAS100-12 and BAS200-12 (12V_{DC} version)

Note 7: Add suffix "D" for bi-directional version of the Battery Separator.