



- 1 Cable size determined by distance run. See Kisae DMT 1250 diagram for details.
- 2 Mount the circuit breaker as close to the battery as possible, preferably within 7 inches.
- 3 Chassis DC grounding conductor should be sized not less than one size smaller than the DC positive conductor and have a capacity such that the DC positive fuse has an amperage rating not greater than 135% of the current rating of this grounding wire.
- 4 Circuit breaker rating dependent on solar array. See solar panel manufacturer specifications. See Inverter diagram for AC wiring details.
- 5 All high current DC cables should have a temperature rating of 105 degrees Celsius.
- 6 A class "T" fuse is preferred but a MEGA fuse may be substituted. Mount the inverter fuse as close to the positive distribution bus as possible.
- 7 The Lithionics IonGage monitors battery voltage, current, power, amp-hours consumed and state of charge.
- 8 Minimum run from the battery to the positive distribution bus to be 2 ft or greater, to provide extra resistance for the inverter inrush management.
- 9 Minimum run from the positive distribution bus to the inverter to be 2 ft or greater, to provide extra resistance for the inverter inrush management. **If the run is longer than eight feet the cable size can be increased to 4/0.**
- 10 Switch is required for inverter isolation and inrush management when first turning on the system.
- 11

Note: Failure to follow the recommendations in the design notes could void the battery manufacturer's warranty.

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