

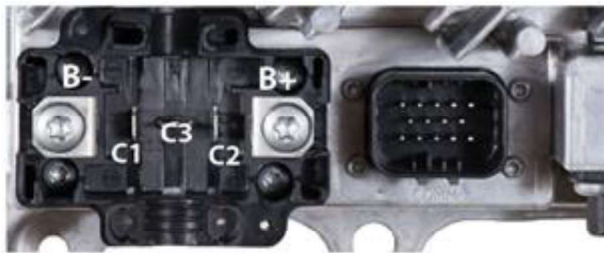
IC Series DC Block Wiring Guide



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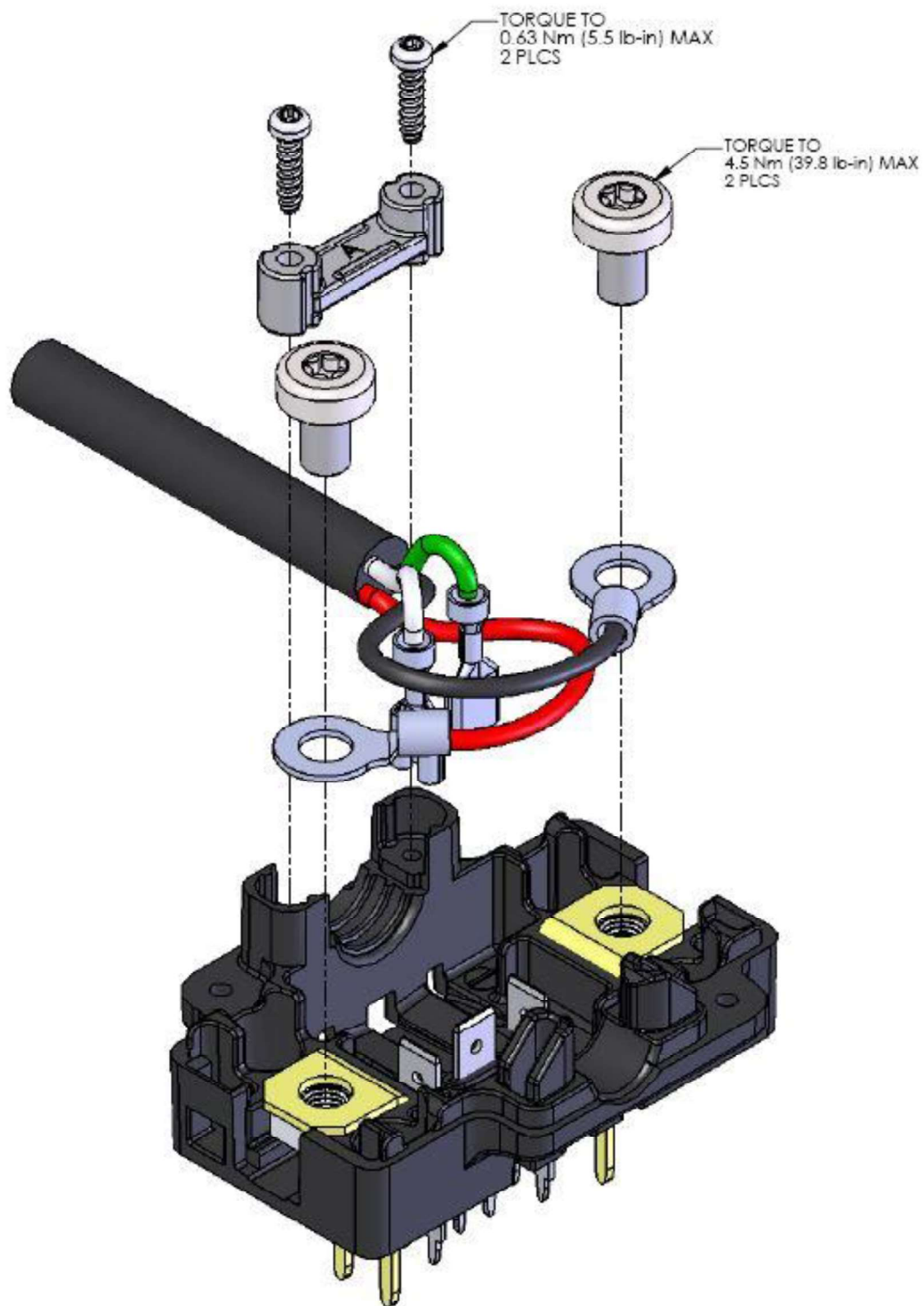
IC650 – DC Output



WARNING: Be careful not to allow battery voltage to be applied to the blade terminals (C1, C2, C3), as it will result in permanent damage to the charger.

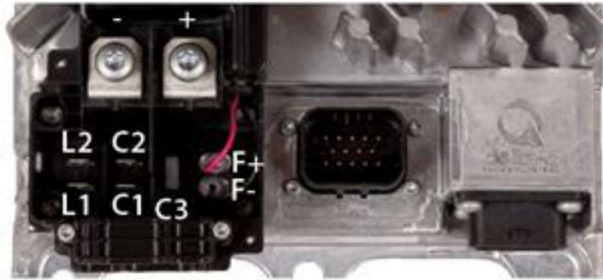
Pin	Recommended Wire Size (AWG/mm2)	Description	Notes
-	12/4.0	Battery negative	Each accepts a 1/4" or larger ring terminal Fastener: Torx T30 screw, M6 nut. Recommended Torque: 4.5Nm +/-5%
+	12/4.0	Battery positive	
C1	20/0.5	Battery temperature sense negative	Each is a 1/4" quick-connect terminal.
C2	20/0.5	Battery temperature sense positive	
C3	20/0.5	Interlock Signal	1/4" quick-connect terminal; normally closed to battery positive. Open when the charger output is active. 1.5A max.

In most cases; the temperature sensor (White cable, Thermistor) is attached to battery negative wire (Black Wire, B-). The wires are separated at the other end where they connect to the DC terminals of the IC series. Black wire should be connected to B- terminal and White wire connected to C2 terminal. Red wire goes to DC positive terminal (B+) and Green wire is intended for the interlock (C3 Terminal).



If you see a different cable configuration, please contact the manufacturer of your vehicle or place of purchase as they will know best what they provided you.

IC900/1200 – DC Output



WARNING: Be careful not to allow battery voltage to be applied to the blade terminals (L1, L2, C1, C2, C3, F+, F-), as it will result in permanent damage to the charger.

Pin	Recommended Wire Size (AWG/mm2)	Description	Notes
-	12/4.0 (IC900)	Battery negative	Each accepts a 1/4” or larger ring terminal Fastener: Torx T30 screw, M6 nut Recommended torque: 4.5Nm +/-5%
+	10/6.0 (IC1200-24V)	Battery positive	
	12/2.5 (IC1200-36V, 48V)		
L1	22/0.5 (2-conductor cable)	Remote LED red anode/green cathode	Each is a 1/4” quick-connect terminal. L2 goes high with respect to L1 to light the remote LED green, and vice versa to light the remote LED red.
L2		Remote LED green anode/red cathode	
C1	18/1.0 (2-conductor cable)	Battery temperature sense negative	Each is a 1/4” quick-connect terminal.
C2		Battery temperature sense positive	
C3	12/4.0	Interlock Signal	1/4” quick-connect terminal; normally closed to battery positive. Open when the charger output is active.
F+	N/A	Fan power/control; 0-12 VDC (IC1200 only)	1/4” quick-connect terminals
F-		Fan power/control return; 0-12 VDC (IC1200 only)	

******Note****:** For Algorithm #192 C1 and C2 need to be connected with a short jumper. This algorithm is most often used with Battle Born and similar LiFePO4 batteries with built in BMS. Failure to make this connection will result in no output from the charger.

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and White wire connected to C2 terminal. Red wire goes to DC positive terminal (B+) and Green wire is intended for the interlock (C3 Terminal).

If you see a different cable configuration, please contact the manufacturer of your vehicle or place of purchase as they will know best what they provided you.