



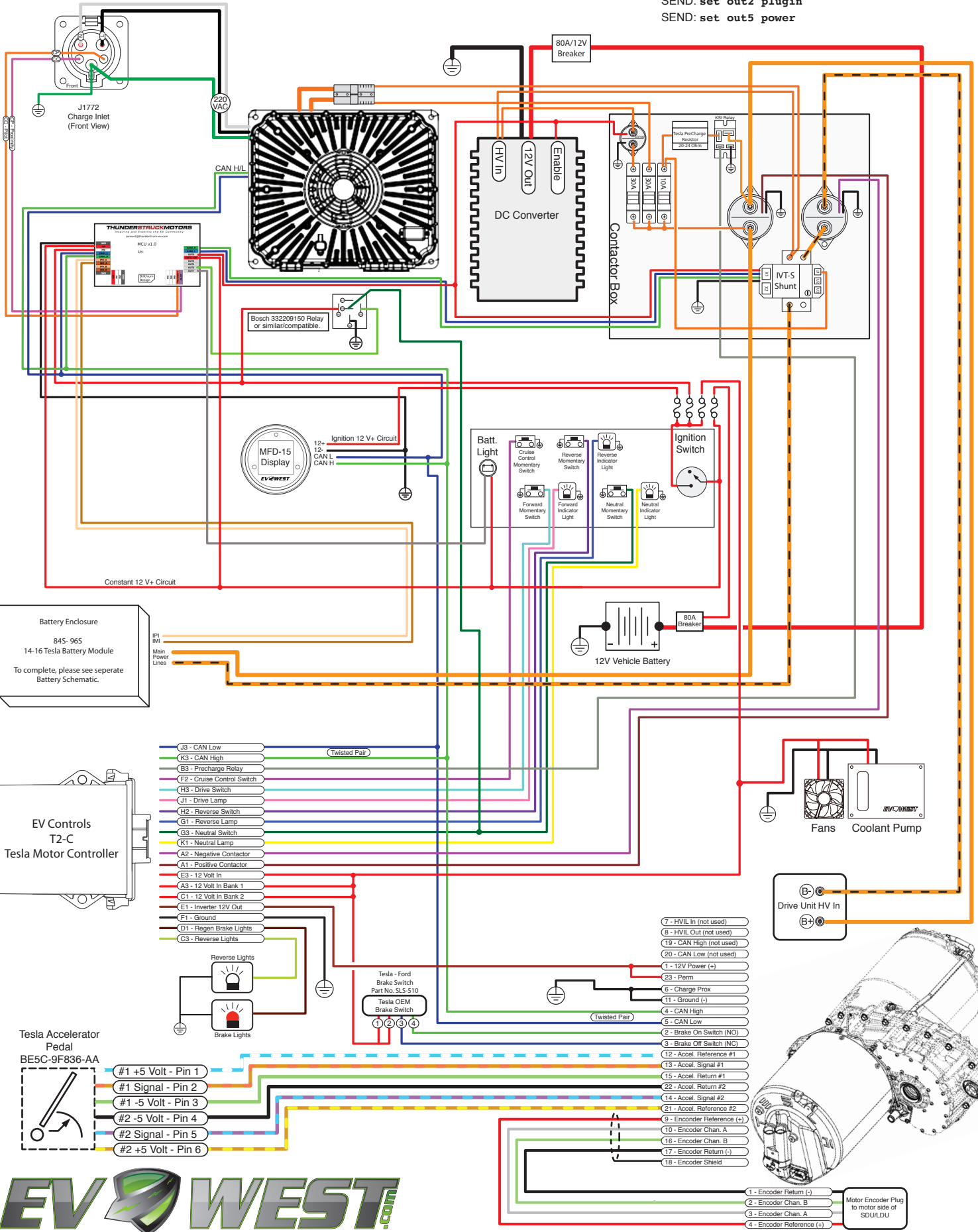
EV West - Tesla LDU - T2-C 84S-96S - MCU,MFD, IVT-S

Revision 1.0 - 4/26

Note: This schematic is **only** for the EV-Controls T2-C LDU/SDU System

Note: For correct operation you must configure the Dilithium BMS Mappable Outputs by sending the following commands through the serial interface (Putty):

- SEND: set out1 fault
- SEND: set out2 plugin
- SEND: set out5 power



Battery Enclosure
84S-96S
14-16 Tesla Battery Module
To complete, please see separate Battery Schematic.

EV Controls
T2-C
Tesla Motor Controller

Tesla Accelerator Pedal
BE5C-9F836-AA

- #1 +5 Volt - Pin 1
- #1 Signal - Pin 2
- #1 -5 Volt - Pin 3
- #2 -5 Volt - Pin 4
- #2 Signal - Pin 5
- #2 +5 Volt - Pin 6

- J3 - CAN Low
- K3 - CAN High
- B3 - Precharge Relay
- F2 - Cruise Control Switch
- H3 - Drive Switch
- J1 - Drive Lamp
- H2 - Reverse Switch
- G1 - Reverse Lamp
- G3 - Neutral Switch
- K1 - Neutral Lamp
- A2 - Negative Contactor
- A1 - Positive Contactor
- E3 - 12 Volt In
- A3 - 12 Volt In Bank 1
- C1 - 12 Volt In Bank 2
- E1 - Inverter 12V Out
- F1 - Ground
- D1 - Regen Brake Lights
- C3 - Reverse Lights

- 7 - HVIL In (not used)
- 8 - HVIL Out (not used)
- 19 - CAN High (not used)
- 20 - CAN Low (not used)
- 1 - 12V Power (+)
- 23 - Perm
- 6 - Charge Prox
- 11 - Ground (-)
- 4 - CAN High
- 5 - CAN Low
- 2 - Brake On Switch (NO)
- 3 - Brake Off Switch (NC)
- 12 - Accel. Reference #1
- 13 - Accel. Signal #1
- 15 - Accel. Return #1
- 22 - Accel. Return #2
- 14 - Accel. Signal #2
- 21 - Accel. Reference #2
- 9 - Encoder Reference (+)
- 10 - Encoder Chan. A
- 16 - Encoder Chan. B
- 17 - Encoder Return (-)
- 18 - Encoder Shield

Drive Unit HV In
B-
B+

