



VOLTAGE V-F CONVERTER:
+16V TO -16V = 2.5 TO 10 KHZ

CURRENT V-F CONVERTER:
-30A TO +30A = 2.5 TO 10 KHZ
(-0.15V TO +0.15V @ 0.005 OHM SHUNT)

TMSI c/o Lee A. Hart
814 8th Ave N
Sartell, MN 56377
(320) 656-9574
leeahart@earthlink.net

Title		
BATTERY BALANCER - CONTROL BOARD		
Size	Document Number	REV
B	CONTROL.SCH (C) 2010 by TMSI	C
Date:	October 18, 2010	Sheet 1 of 1

1. Unused C19+, D49+, J8+, Q7-10, Q21+, R64+, U19+.
2. Resistors 5% 1/4W unless otherwise noted.
3. Capacitors w. VDC values are electrolytic.
4. U14: use LMC6862 for improved accuracy.
5. Socket R49, R50. Install for EVIBUS pullups.
6. 12/10/09: R36, R37 was 121k, now 182k.
7. 12/20/09: D8 anode was U2 QA, now BS2 P15.
8. 1/9/10: Change D41 to LED "Test" light.
9. 2/24/10: add D47, D48 overload limiters.
10. 4/9/10: U10, U11 were 4N35.
11. D44, Q6, R10, U16 not used w. std. relay bd.