



NOTES:  
 A) IN UNITS WITHOUT AC FUSES, WIRES 01A, 02B AND 02A ARE NOT FEATURED.  
 B) IN UNITS WITHOUT DC FUSES, WIRES 28 AND 29 ARE NOT FEATURED.

NOTES:  
 C) NUMBER AND ARRANGEMENT OF FILTER CAPACITORS (C1/C2) VARIES, BASED UPON UNIT RATING.  
 D) IN UNFILTERED UNITS, WIRE #12 CONNECTS FROM L1-2 DIRECTLY TO CB2-2 (+).

NOTES:  
 1) CHARGER COMPONENTS ARE CONNECTED WITH FLAME-RETARDANT SWITCHBOARD INSULATION TYPE WIRING, IDENTIFIED ON EACH END WITH NUMBER-CODED MARKERS. GROUND WIRE #10 IS GREEN WITH YELLOW STRIPE.  
 2) THIS DRAWING SHOWS MAINFRAME POWER WIRING AND CUSTOMER-CONNECTION CONTACTS TO CONTROL PC BOARDS (A1 & A5). SEE DRAWING JE5094-00 FOR ALL CONTROL (SIGNAL) WIRING, INCLUDING REMOTE SENSE MODIFICATIONS.  
 3) STANDARD CUSTOMER ALARM CONTACTS (TB3, TB4, etc.) ARE SOLDERLESS COMPRESSION SCREW TERMINALS, ACCEPTING #22-14 AWG WIRE.  
 4) FREE-WHEELING DIODE (CR4) IS AN ANODE-MOUNTED COMPONENT AND CONNECTS DIRECTLY TO EITHER A16 (-)BUS AS SHOWN, OR TO R1-1 (-).  
 5) NUMBER, TYPE AND ARRANGEMENT OF CERTAIN COMPONENTS, SPECIFICALLY I/O PANEL (TB1), DIFFER WITH UNIT ENCLOSURE TYPE, SEE CORRESPONDING INTERNAL COMPONENT LAYOUT DRAWING FOR EXACT PHYSICAL CONFIGURATION.  
 6) NUMBER, TYPE AND ARRANGEMENT OF CONTACTS ON 6-PULSE RECTIFIER ASSY (A16) VARIES, BASED UPON UNIT RATING. SEE RECTIFICATION SCHEMATIC LABEL ON SIDE OF SCR MODULE(S) FOR APPROPRIATE CONTACT POINTS.  
 7) PHYSICAL MOUNTING OF CERTAIN COMPONENTS MAY DOUBLE AS ELECTRICAL CONNECTIONS, ELIMINATING THE NEED FOR CERTAIN WIRES, SUCH AS #15 AND #25.

FEATURED OPTIONS:

- AC INPUT CKT BKR & FUSES
- DC OUTPUT CKT BKR & FUSES
- AUXILIARY RELAY PC BOARD
- DC OUTPUT FILTERING
- BATT ELIMINATOR FILTER
- INPUT LIGHTNING ARRESTOR
- EXTERNAL TEMPCO PROBE

REV	ECN No	DATE	THIRD ANGLE PROJECTION	
2	21120	043008	DRAWN BY	MCR 012607
1	20933	120107	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG	
0	20527	012607	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	

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**HINDLEPOWER**

TITLE AT30 BATTERY CHARGER CONN DIAGRAM:  
 MAIN POWER WIRING (W/ALL COMMON OPTIONS)

DRAWING No **JE5093-99** REV **2** **B**

SCALE NTS PART No JE5093-99 SHEET 1 OF 1