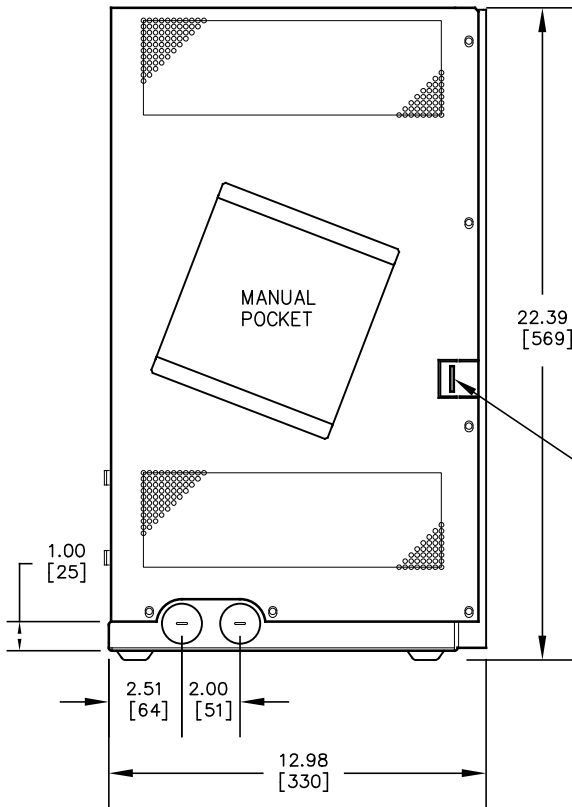
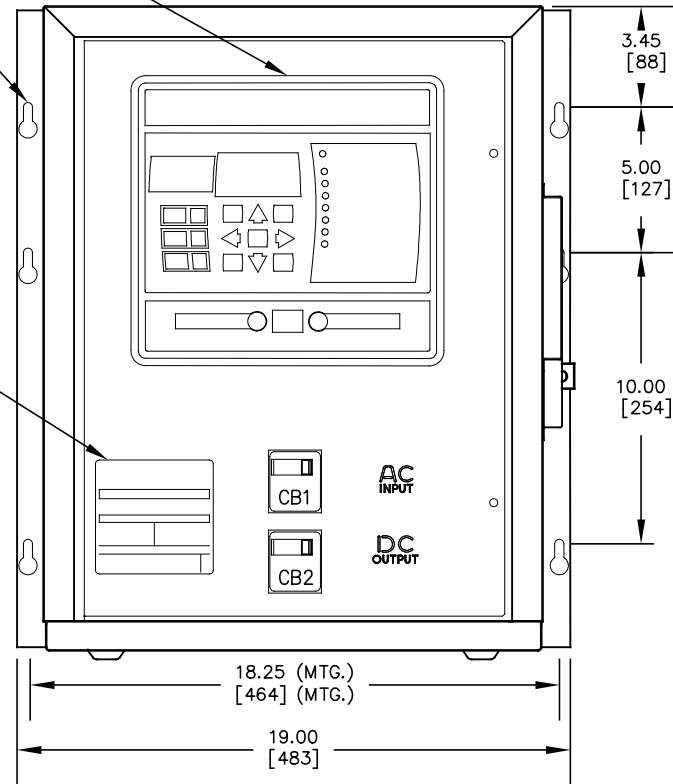


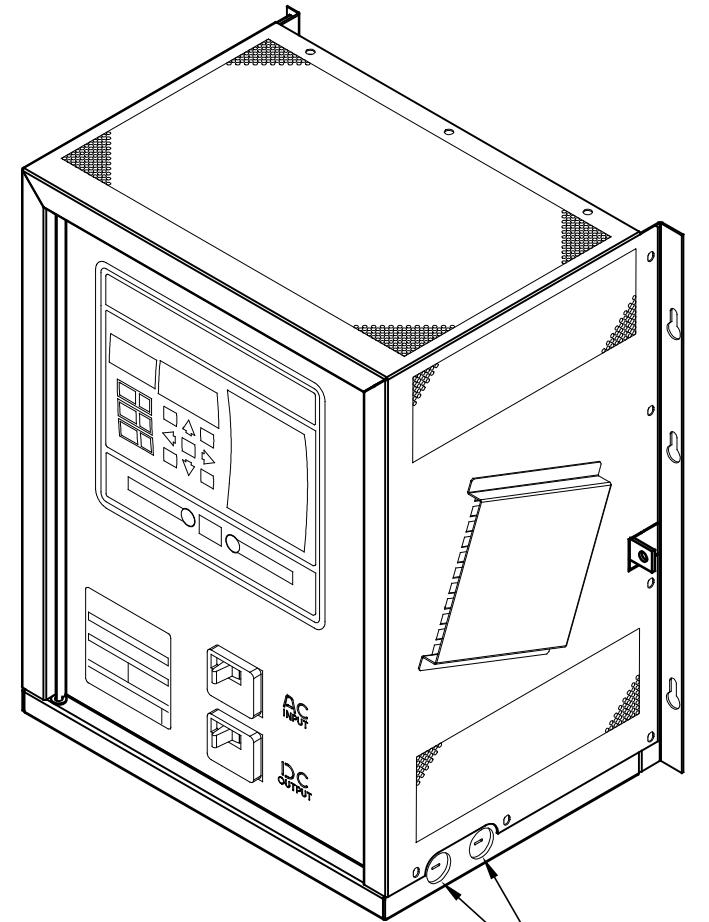
SEE CTRL PANEL
DETAIL DRAWING
(JE5253-01)

NOTE 3

NOTE 5

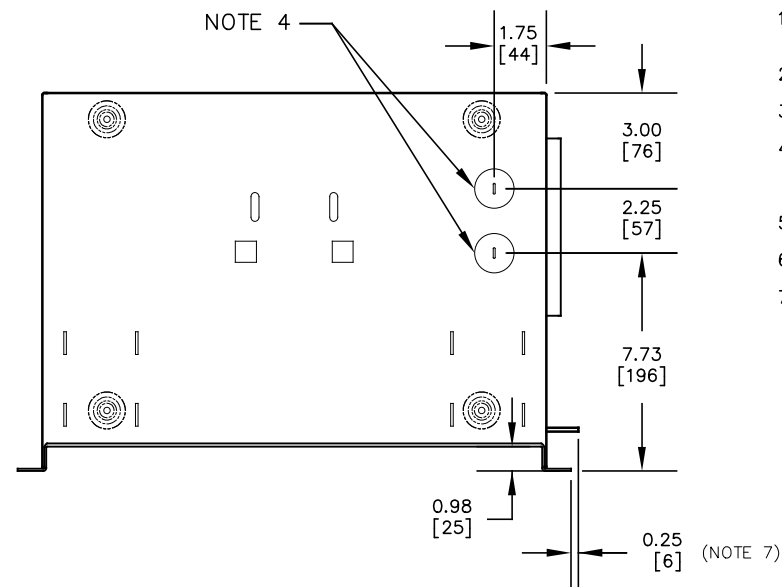


NOTE 7



NOTE 4


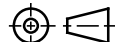
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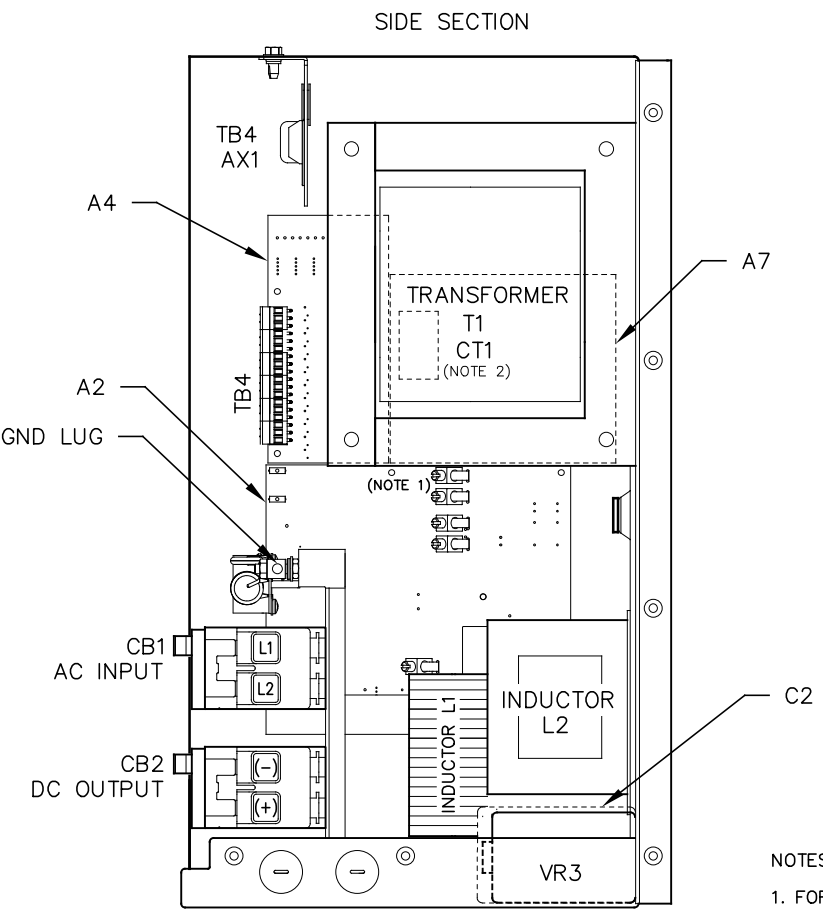
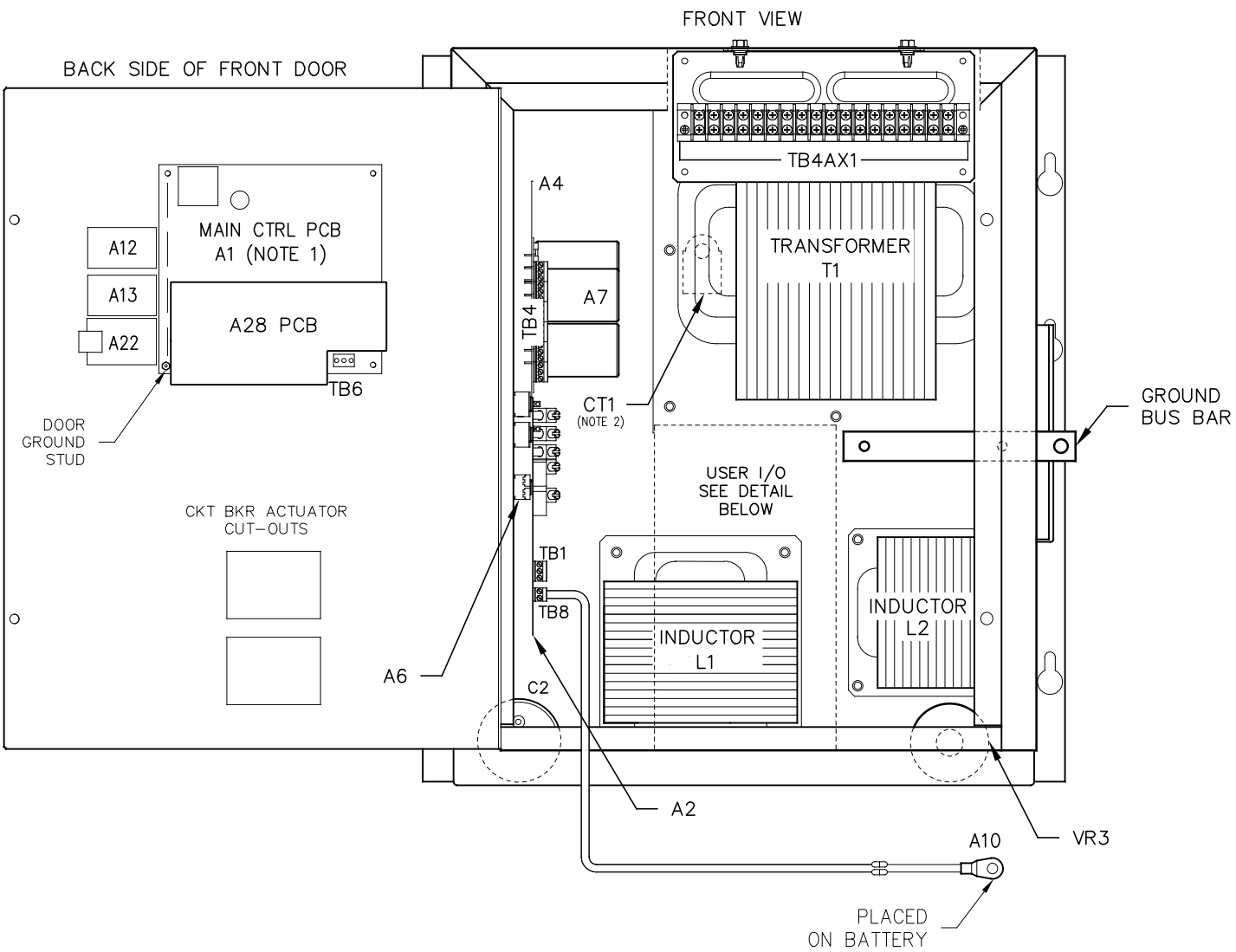


NOTES:

- ENCLOSURE IS A NEMA TYPE-1 / IP20 TOP-VENTED STEEL CABINET WITHOUT GASKETS. SHEET STEEL BASE IS 14 GA, SHROUD IS 18 GA & DOOR IS 16 GA. EXTERNAL FINISH IS ANSI-61 GRAY EPOXY POWDERCOAT.
- ALLOW 6in / 152mm OF FREE AIR ON ALL VENTED SURFACES (TOP & SIDES) FOR COOLING.
- SIX (6) KEY-HOLE SLOTS ARE PROVIDED ON BACK OF ENCLOSURE AS SHOWN. FOR WALL-MOUNTING WITH 0.25in / 6.25mm HARDWARE.
- SIX (6) 1.31in / 33mm DIA KNOCKOUTS ARE PROVIDED AS SHOWN, WITH TWO (2) ADDITIONAL KNOCKOUTS FEATURED ON BOTTOM PANEL OF ENCLOSURE. USE OF ANY OF THESE FOUR (4) LOWER CONDUIT KNOCKOUTS WILL ALLOW REMOVAL OF CABINET SHROUD WITHOUT REMOVAL OF EXTERNAL WIRING.
- DATA NAMEPLATE DECAL (WITH CHARGER RATINGS) APPLIED TO DOOR.
- BATTERY CHARGER INSTALLATION WEIGHT: (SEE PRODUCT LITERATURE).
- COPPER GROUND BUS BAR WITH 0.375 in / 9.5 mm DIA HOLE.

DUAL DIMENSIONS ⁱⁿ
[mm]

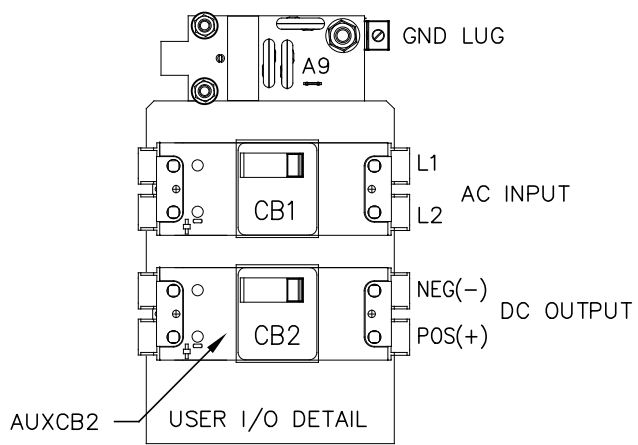
REV	DRN BY	CHK BY	APP BY	DATE	DRN BY	DATE	 HINDLEPOWER 1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com			
2	TET	MCR	MCR	04.03.2025	KJB	12.01.2021				
DESCRIPTION					CHK BY	DATE	TITLE			
REV. 2 (04.03.2025)					MCR	12.01.2021				
REV. 1 (02.14.2024)					APP BY	DATE	ATEVO BATTERY CHARGER OUTLINE: NEMA-1 STYLE-5054 ENCL 1PH 30-50ADC W/COMMON OPTIONS			
REV. 0 (12.01.2021)					MCR	12.01.2021				
					NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER					
					B	SCALE NTS	DWG No	JE5251-22	REV 2	SHEET 1 OF 1




- SYM STANDARD COMPONENT DESCRIPTION
- A1 MAIN CONTROL PCB
 - A6 RECTIFIER H/S ASSEMBLY
 - A2 POWER BOARD
 - A7 FILTER BOARD (C1x/R9x)
 - A9 MOV PCB
 - CB1 AC INPUT CIRCUIT BREAKER (Bx)
 - CB2 DC OUTPUT CIRCUIT BREAKER (Bx)
 - AUXCB2 DC CKT BKR (CB2) AUXILIARY CONTACTS
 - L1 MAIN INDUCTOR
 - L2 FILTER INDUCTOR
 - T1 POWER ISOLATION TRANSFORMER
 - TB1 REMOTE SENSE (A2) TERMINAL BLOCK
 - TB6 COMMON ALARM RELAY (A1) CONTACTS
 - TB8 BATT TEMPERATURE (A2) TERM BLOCK

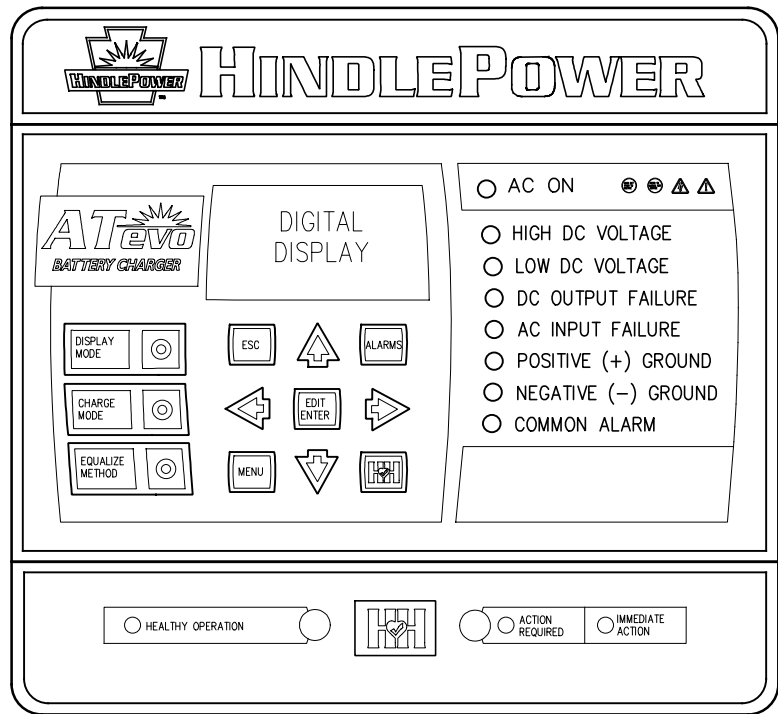
- SYM STANDARD COMPONENT DESCRIPTION
- A4 AUXILIARY I/O BOARD
 - A10 TEMPERATURE COMPENSATION PROBE
 - A12 SERIAL COMMUNICATION ADAPTER
 - A13 FORCED LOAD SHARING PCB
 - A22 ETHERNET COMMUNICATION ADAPTER
 - A28 AC METER MODULE PC BOARD
 - C2 BATTERY ELIMINATOR FILTER CAP
 - CT1 CURRENT TRANSFORMER
 - TB4 AUX ALARM PCB (A4) TERM BLOCK
 - VR3 AC INPUT LIGHTNING ARRESTOR

- NOTES:
- FOR ENHANCED VIEWS OF ALL PC BOARDS (A1, A2, A4 etc.) INCLUDING LOCATION AND ORIENTATION OF TERMINAL BLOCKS (A2-TB1 & A2-TB8) SEE DETAIL DRAWING (JE5253-21).
 - CURRENT TRANSFORMER (CT1) AFFIXED TO LINE 1 BETWEEN AC INPUT BREAKER (CB1) AND POWER ISOLATION TRANSFORMER (T1).



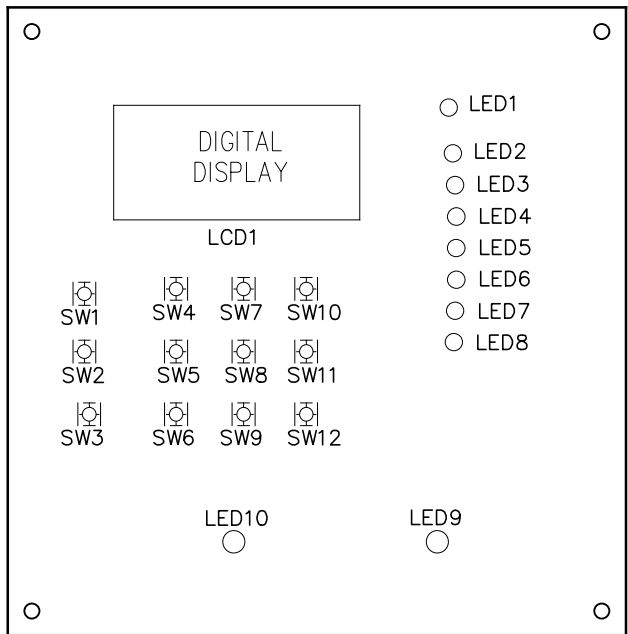
I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
CB2 (+/-)	POS/NEG DC OUTPUT TERMINALS - CIRCUIT BREAKER COMPRESSION LUG	#14-2/0 AWG
GND LUG	USER GROUND TERMINAL - CU-AL COMPRESSION BOX LUG	#14-6 AWG
CB1 (L1/L2)	AC INPUT TERMINALS - CIRCUIT BREAKER COMPRESSION LUG	#14-2/0 AWG
GND BUS	COPPER GROUND BUS - 0.375 in / 9.525 mm DIA HOLE	0.38in/9.7mm RING LUG
(NOTE 1)	(A1) TB6 COMMON ALARM RELAY (A1) TERMINAL BLOCK - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
	(A2) TB1 BATTERY Vdc REMOTE SENSE (A2) TERMINALS - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
	(A2) TB8 REMOTE TEMPCO PROBE (A10) TERMINAL BLOCK - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
	(A4) TB4 AUX I/O BOARD (A4) ALARM RELAY CONTACTS - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
	TB4AX1 BARRIER TYPE AUX ALARM (A4) CONTACT - 6-32 BNDR HD SCREW	#16-14 AWG

REV 2	DRN BY TET	CHK BY MCR	APP BY MCR	DATE 04.03.2025	DRN BY KJB	DATE 12.01.2021	 HINDLEPOWER 1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com			
DESCRIPTION					CHK BY MCR	DATE 12.01.2021				
REV. 2 (04.03.2025)					APP BY MCR	DATE 12.01.2021				
REV. 1 (02.14.2024)					NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER					
REV. 0 (12.01.2021)					TITLE		ATEVO BATTERY CHARGER INTERNAL COMPONENT LAYOUT: STYLE-5054 1PH 30-50ADC W/COMMON OPTIONS			
					SCALE					
					DWG No					
					B		NTS	JE5252-22	REV 2	SHEET 1 OF 1

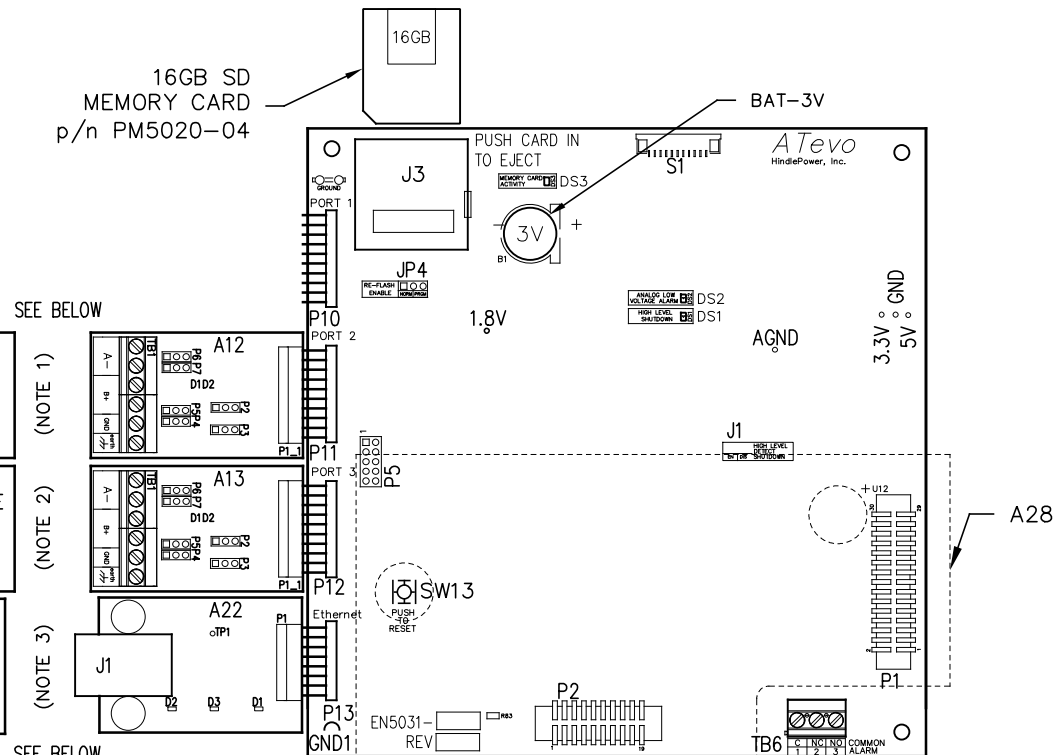


CONTROL PANEL
(p/n FK5047-00)

NOTE: UNLESS OTHERWISE SPECIFIED, ALL USER ALARM TERMINAL BLOCKS ARE SOLDERLESS COMPRESSION SCREW TERMINALS, ACCEPTING #22-14 AWG WIRE. ALARM CONTACTS SHOWN IN NON-ALARM STATE, WITH CHARGER ENERGIZED AND RELAYS ENERGIZED (FAIL SAFE). ALL ALARM CONTACTS WILL CHANGE STATE WHEN ATEVO POWERED DOWN. CONTACT RATING IS 0.5A @ 125VAC/VDC RESISTIVE.



MAIN CONTROL PC BOARD (A1)
FRONT VIEW – FACING CHARGER DOOR WHEN INSTALLED



MAIN CONTROL PC BOARD (A1)
BACK VIEW – FACING CHARGER COMPONENTS WHEN INSTALLED

NOTES:

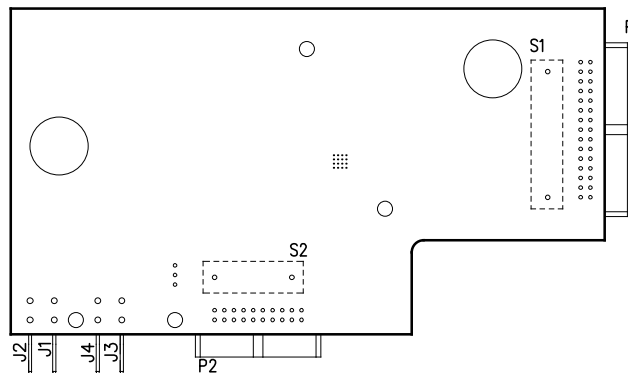
- SERIAL COMMUNICATIONS ADAPTER (A12) SUPPORTS DNP3 LEVEL 2 AND MODBUS PROTOCOLS. SEE ATEVO COMMUNICATIONS MANUAL (JA0102-54) FOR DETAILS.
- FOR FORCED LOAD SHARING & A13 PC BOARD DETAIL, SEE FLS DRAWING (JE5257-21).
- ETHERNET ADAPTER (A22) SUPPORTS DNP3 LEVEL 2 AND MODBUS COMMUNICATIONS PROTOCOLS. SEE ATEVO COMMUNICATIONS MANUAL (JA0102-54) FOR DETAILS.

CONNECTORS (A5):
P1 – MAIN CONTROL BOARD
J1 – RJ-45 ETHERNET USER CONNECTION

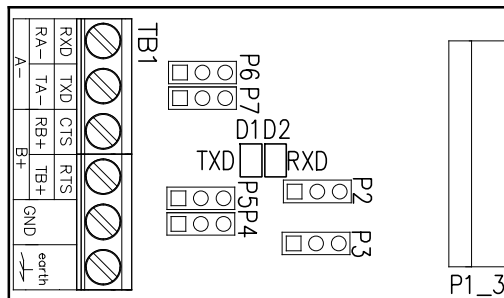
INDICATOR LIGHTS (A5 LEDs):
D1 – ORANGE – ETHERNET SPEED INDICATION 10/100 MBPS
D2 – YELLOW – ETHERNET ACTIVITY (FLASHING)
D3 – RED – ETHERNET LINK

TEST POINTS (A5):
TP1 – CLOCK OUT

AC METER MODULE PC BOARD (A28)
MOUNTED ON MAIN CONTROL PC BOARD



SERIAL COMMUNICATION ADAPTER (A12)



(NOTE 1)

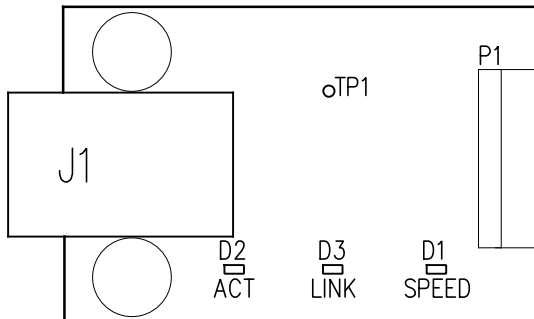
CONNECTORS (A12):
P1 – MAIN CONTROL BOARD

JUMPERS & CONFIGURATION SWITCHES (A12):
P2 – RECEIVER ENABLE CONTROL SELECTION
P3 – MEDIA CONTROL SELECTION (RS-234 OR RS-485)
P4 – RS-485 TERMINATION RESISTOR ENABLE (RECEIVE)
P5 – RS-485 TERMINATION RESISTOR ENABLE (TRANSMIT)
P6 – RS-485 INTERFACE 2 WIRE/4 WIRE SELECTION (A)
P7 – RS-485 INTERFACE 2 WIRE/4 WIRE SELECTION (B)

TERMINAL BLOCKS (A12):
TB1 – USER CONNECTIONS TO SERIAL INTERFACE

INDICATOR LIGHTS (A12):
TXD (D1) – SERIAL DATA BEING SENT
RXD (D2) – SERIAL DATA BEING RECEIVED

ETHERNET ADAPTER (A22)



(NOTE 3)

MAIN CONTROL PC BOARD (A1)

INDICATOR LIGHTS (LEDs):

LED1 – GREEN – AC ON
LED2 – RED – HIGH DC VOLTAGE ALARM
LED3 – RED – LOW DC VOLTAGE ALARM
LED4 – RED – DC OUTPUT FAILURE ALARM
LED5 – RED – AC INPUT FAILURE ALARM
LED6 – RED – POSITIVE (+) GROUND ALARM
LED7 – RED – NEGATIVE (-) GROUND ALARM
LED8 – RED – COMMON ALARM
LED9 – RED – ACTION REQUIRED ALARM
LED10 – GREEN – HEALTHY OPERATION
DS1 – RED – HIGH LEVEL SHUTDOWN (HLD)
DS2 – RED – ANALOG LOW VOLTAGE ALARM (LLD)
DS3 – RED – MEMORY CARD ACTIVITY

JUMPERS:

J1 – ANALOG HIGH VOLTAGE SHUTDOWN JUMPER
J3 – SD CARD PORT
JP4 – RE-FLASH (FIELD PROGRAMMING) JUMPER

TERMINAL BLOCKS:
TB6 – COMMON ALARM RELAY CONTACTS

TEST POINTS:
1.8V – 1.8 VOLTS
3.3V – 3.3 VOLTS
5V – 5.0 VOLTS
GND – GROUND
AGND – ANALOG GROUND
SDA – MAIN BOARD 12C DATA
SCL – MAIN BOARD 12C CLOCK


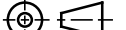
SWITCHES:

SW1 – DISPLAY BUTTON
SW2 – CHARGE MODE BUTTON
SW3 – EQUALIZE METHOD BUTTON
SW4 – ESCAPE (ESC) BUTTON
SW5 – LEFT ARROW BUTTON
SW6 – MENU BUTTON
SW7 – UP ARROW BUTTON
SW8 – EDIT / ENTER BUTTON
SW9 – DOWN ARROW BUTTON
SW10 – ALARM BUTTON
SW11 – RIGHT ARROW BUTTON
SW12 – HINDLE HEALTH (HHS) BUTTON
SW13 – SYSTEM RESET BUTTON (BACK OF BOARD)

CONNECTORS:

P1 – POWER BOARD RIBBON
P2 – 3 PHASE RECTIFIER RIBBON
P3 – USB EXPANSION PORT
P4 – SPI & I2C EXPANSION PORT #1
P5 – SPI & I2C EXPANSION PORT #2
P6 – DISPLAY SPI PORT
P7 – DISPLAY JTAG PORTS
P10 – SERIAL INTERFACE PORT #1
P11 – SERIAL INTERFACE PORT #2
P12 – SERIAL INTERFACE PORT #3
P13 – ETHERNET INTERFACE PORT
P17 – GENERAL EXPANSION PORT

I/O TERMINAL	DESCRIPTION – TYPE	CONNECTION
(A1) TB6	COMMON ALARM TERMINAL BLOCK (A1) – SOLDERLESS COMPRESSION SCREW	#22-14 AWG
(A12) TB1	RS-232 / RS-485 USER CONNECTIONS – SOLDERLESS COMPRESSION SCREW	#22-14 AWG
(A13) TB1	FORCED LOAD SHARE SIGNAL – SOLDERLESS COMP SCREW	#22-14 AWG
(A22) J1	ETHERNET COMMUNICATIONS CONNECTION – RJ45 PLUG	CAT5/6 UTP

REV 2	DRN BY TET	CHK BY MCR	APP BY MCR	DATE 04.03.2025	DRN BY KJB	DATE 12.01.2021	 <div>HINDLEPOWER</div> <div>1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com</div>	
DESCRIPTION REV. 2 (04.03.2025) REV. 1 (02.14.2024) REV. 0 (12.01.2021)					CHK BY MCR	DATE 12.01.2021		
					APP BY MCR	DATE 12.01.2021		
					NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER			
							TITLE ATEVO BATTERY CHARGER CONTROL PANEL / PC BOARD DETAIL 1PH 30-50ADC W/COMMON OPTIONS	
					B			
					SCALE NTS	DWG No JE5253-22	REV 2	SHEET 1 OF 2

J1 - AUXILIARY POWER INPUT
P1 - POWER BOARD (PRIMARY POWER & COMM SOURCE)
P5 - PROGRAMMING HEADER
P5 - PROGRAMMING HEADER
P3, P4, P6 & P7 - BINARY INPUT VOLTAGE CONFIGURATION JUMPERS
S1 - BOARD ADDRESS DIPSWITCH

D1 - RED - RELAY #6 IN ALARM STATE
D3 - RED - RELAY #5 IN ALARM STATE
D5 - RED - RELAY #4 IN ALARM STATE
D7 - YELLOW - BINARY INPUT #1 IS ABOVE THRESHOLD
D8 - RED - RELAY #3 IN ALARM STATE
D10 - YELLOW - BINARY INPUT #2 IS ABOVE THRESHOLD
D11 - RED - RELAY #2 IN ALARM STATE
D13 - YELLOW - BINARY INPUT #3 IS ABOVE THRESHOLD
D14 - RED - RELAY #1 IN ALARM STATE
D16 - YELLOW - BINARY INPUT #4 IS ABOVE THRESHOLD
D17 - GREEN - COMMUNICATION TO MAIN BOARD (FLASHING)

TB1 - BINARY INPUTS
 TB2 - SERIAL INTERFACE
 TB3 - ANALOG INPUTS
 TB4 - AUXILIARY I/O RELAY CONTACTS



1. REMOTE SENSE JUMPERS (JP103 & JP104) SET IN 'LOCAL POSITION' FOR STYLE-5054 ENCLOSURE.

HINDLEPOWER

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Easton, PA 18042-6661
PH 610-330-9000 FAX 610-330-8510
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TITLE

ATEVO BATTERY CHARGER
CONTROL PANEL / PC BOARD DETAIL
1PH 30-50ADC W/COMMON OPTIONS

B

SCALE
NTS

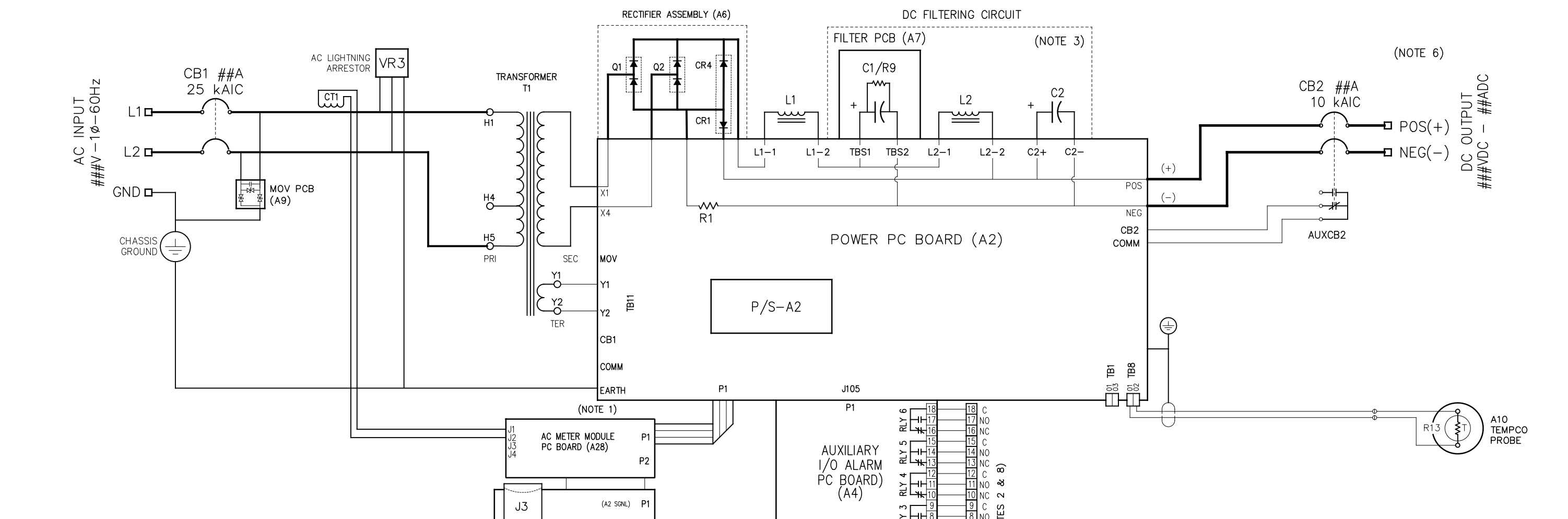
DWG No

JE5253-22

REV
2


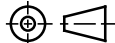
SHEET
2 OF 2

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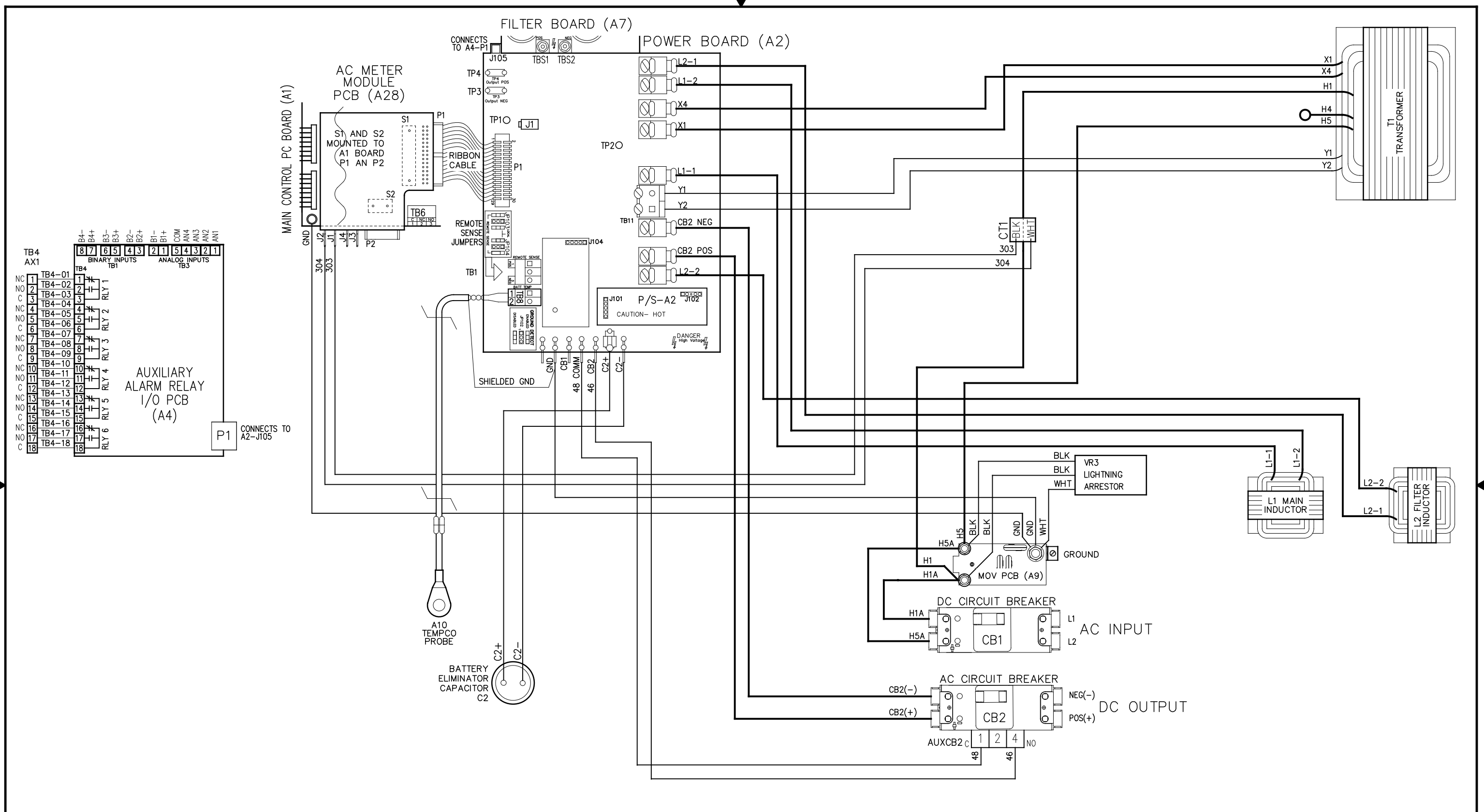


- NOTES: (#s not listed reserved for options not supplied)
- FOR PHYSICAL COMPONENT FEATURES OF PC BOARDS (A1, A2, A7, etc.) SEE DETAIL DRAWING (JE5253-01).
 - ALL ALARM CONTACTS SHOWN IN NON-ALARM STATE, WITH CHARGER AND RELAYS ENERGIZED (FAIL SAFE). CONTACTS WILL CHANGE STATE WHEN ATEVO POWERED DOWN.
CONTACT RATING: 0.5A @ 125VAC/VDC RESISTIVE
 - DC FILTERING CIRCUIT (C1/L2/C2) DESIGNED AND TESTED TO MEET NEMA PE5 SPECIFICATION FOR "ELIMINATOR" (CODE "E"). MEASURED AC RIPPLE MAY BE LOWER, WHEN CONNECTED TO BATTERY.
 - SERIAL ADAPTER (A12) USER CONNECTION, SEE ATEVO COMMUNICATIONS MANUAL (JA0102-54).
 - ATEVO DC OUTPUT (+/-) PARALLELED WITH SECOND MODEL OF IDENTICAL RATING. SERIAL PCB (A13) INTERCONNECTED WITH SECOND UNIT FOR DC OUTPUT CONTROL. FOR FORCED LOAD SHARING, SEE DETAIL DRAWING (JE5257-21).
 - ETHERNET ADAPTER (A22) USER CONNECTION, SEE ATEVO COMMUNICATIONS MANUAL (JA0102-54).
 - AUX I/O ALARM RELAYS CONFIGURABLE BY USER. SEE O&SI MANUAL SECTION 12.4. FACTORY-DEFAULTS LISTED IN TABLE BELOW.


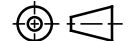
A4	DESCRIPTION	LATCHING	DELAY
RELAY #1	HIGH VOLTAGE DC	DISABLED	30 SECONDS
RELAY #2	LOW VOLTAGE DC	DISABLED	30 SECONDS
RELAY #3	DC OUTPUT FAILURE	DISABLED	30 SECONDS
RELAY #4	LOW AC SUPPLY	DISABLED	30 SECONDS
RELAY #5	POSITIVE GROUND FAULT	DISABLED	30 SECONDS
RELAY #6	NEGATIVE GROUND FAULT	DISABLED	30 SECONDS

REV 2	DRN BY TET	CHK BY MCR	APP BY MCR	DATE 04.03.2025	DRN BY KJB	DATE 12.01.2021	 HINDLEPOWER 1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com
DESCRIPTION					CHK BY MCR	DATE 12.01.2021	
REV. 2 (04.03.2025)					APP BY MCR	DATE 12.01.2021	
REV. 1 (02.14.2024)							
REV. 0 (12.01.2021)					NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER		TITLE ATEVO BATTERY CHARGER SCHEMATIC: STYLE-5054 1PH 30-50ADC W/COMMON OPTIONS
					B	SCALE NTS	
					DWG No	JE5254-22	
					REV 2	SHEET 1 OF 1	

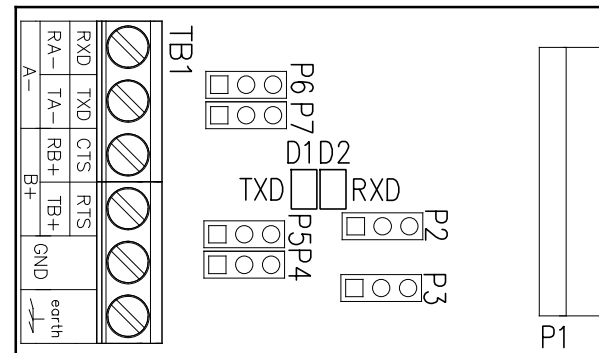
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- NOTES:
1. WHEN NATURAL LEADS OF MAGNETICS ARE NOT USED, CHARGER COMPONENTS ARE CONNECTED WITH BLACK FLAME-RETARDANT SWITCHBOARD INSULATION SYSTEM (SIS) TYPE WIRING, IDENTIFIED ON EACH END WITH NUMBER-CODED MARKERS.
 2. TB4-AUX ALARM TERMINAL BLOCK, BARRIER TYPE WITH 6-32 BINDER HEAD SCREWS, WILL ACCEPT LUGS FOR #16-14 AWG WIRE (RATED 0.5A @ 125VAC/VDC).

REV	DRN BY	CHK BY	APP BY	DATE	DRN BY	DATE	<div>HINDLEPOWER</div> <div>1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com</div>					
2	TET	MCR	MCR	04.03.2025	KJB	12.01.2021						
DESCRIPTION					CHK BY	DATE	TITLE <div>ATEVO BATTERY CHARGER CONNECTION DIAGRAM: STYLE-5054 1PH 30-50ADC W/COMMON OPTIONS</div>					
REV. 2 (04.03.2025)					MCR	12.01.2021						
REV. 1 (02.14.2024)					APP BY	DATE						
REV. 0 (12.01.2021)					MCR	12.01.2021						
					NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER							
							B	SCALE	DWG No	JE5255-22	REV	SHEET
								NTS			2	1 OF 1

A13 PCB DETAIL



INSERTED INTO LEFT-SIDE
PORT 3 (P12) OF MAIN
CONTROL BOARD (A1)

(NOTE 5)

WARNING

NEVER SEPARATE THE ATevo CHARGER FROM
THE DC BUS WHILE IN FORCED LOAD SHARING

When ATevo chargers are operating in Load Share Mode, they MUST both be connected to the same dc bus. If your application and system includes disconnects, whereby chargers may be isolated from each other, the Forced Load Sharing MUST first be disabled, by disconnecting the load share cable or disabling the load sharing communications. Failure to disable forced load sharing when the ATevo's are not connected to the same dc bus will result in an undesirable operation, whereby the battery may become DISCHARGED.

JUMPERS ON SERIAL COMMUNICATIONS ADAPTER (A13) MUST BE CONFIGURED TO OPERATE IN 2-WIRE RS-485 MODE.

- JUMPER P2 (RXCNTL) MUST BE SET TO TXE – LEFT TWO PINS
- JUMPER P3 (MEDIA) MUST BE SET TO 485 – LEFT TWO PINS
- JUMPERS P4 & P5 (485-TERM) MUST BE SET TO OFF – LEFT TWO PINS
- JUMPERS P6 & P7 (# WIRES) MUST BE SET TO 2W – LEFT TWO PINS

INTRODUCTION

Multiple battery chargers are sometimes employed in dc power systems to provide redundancy. Two (2) chargers of the same voltage rating can be connected in parallel, each of them capable of powering the connected dc load and charging the battery. When two (2) chargers operate in parallel, they normally will not share the load current equally. Since any two (2) chargers will usually have slightly different connection paths, one of the chargers in a system will typically have a slightly higher dc output voltage, and will therefore assume more of the burden of providing the necessary load current.

The ATevo forced load sharing feature supports a single "Primary" charger, and a "Secondary" charger. The Primary charger communicates with a Secondary charger over a serial connection. Each charger requires a Serial Communications Adapter (A13) set for RS-485, wired to all other chargers to create the forced load sharing communication network.

SYSTEM REQUIREMENTS

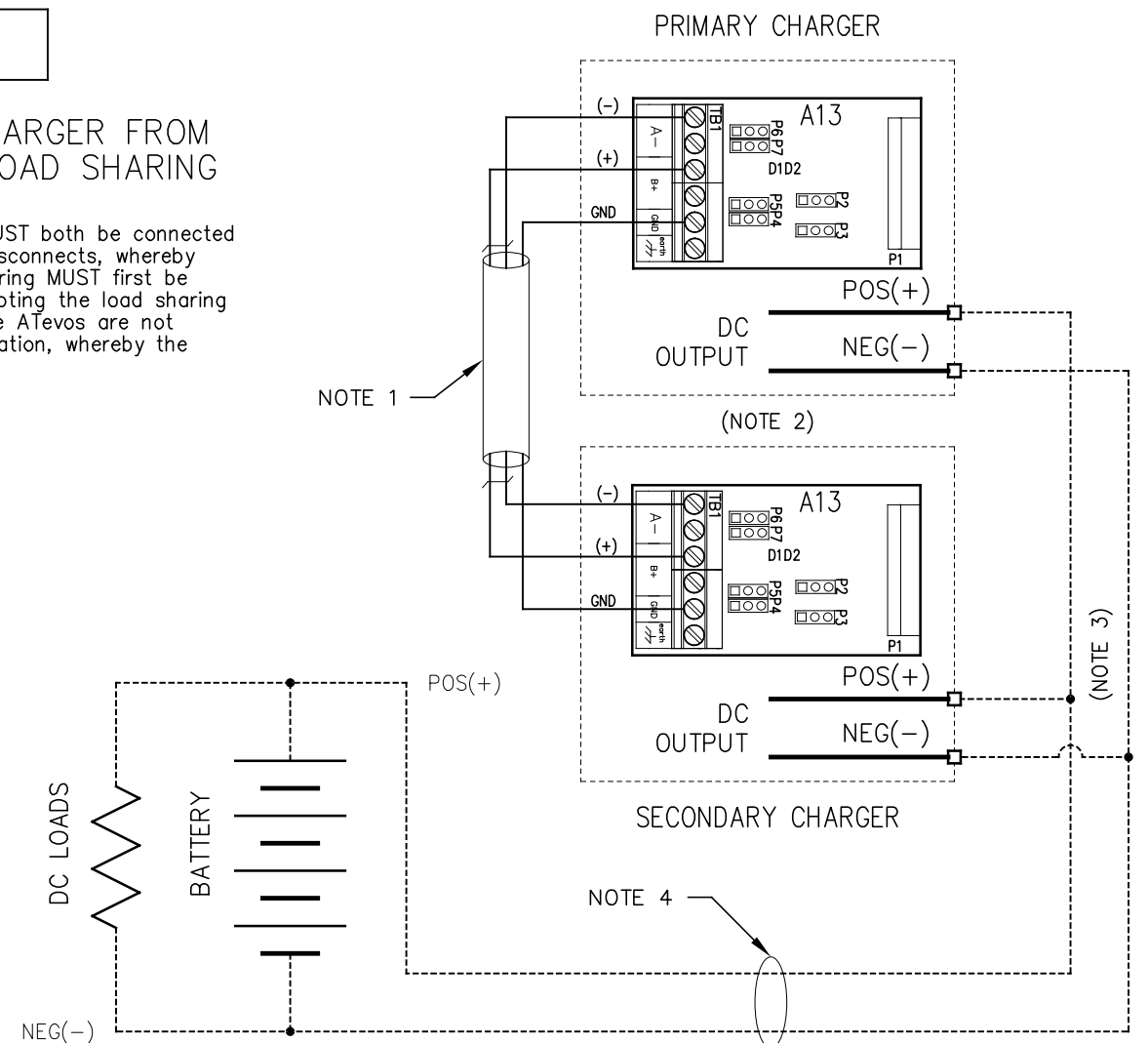
- Both battery chargers must be ATevo Series. The ATevo forced load sharing feature will not operate with legacy AT10.1 and AT30 Series battery chargers.
- Both connected chargers must have the same voltage settings, have the same output current rating, and have the same version of ATevo Main Control PC Board (A1) firmware.
- Each ATevo requires a Serial Communications Adapter (A13) to be installed in either Port 2 or Port 3 of the Main Control PC Board (A1).

ATEVO CHARGER LOAD SHARING CONFIGURATION

If the ATevo is ordered with the forced load sharing feature, the hardware and software configuration will be completed at the factory. The forced load sharing Serial Communications Adapters (A13) and software will be verified during the charger production test. The signal interconnection cable will be supplied in a bagged kit, to be connected to the chargers in the field after installation. If forced load sharing is added to the ATevo in the field, hardware and software configuration will be required.


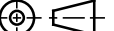
INSTALLING SERIAL COMMUNICATIONS ADAPTER (A13)

Refer to the Serial Communication Adapter section of the ATevo Communications Manual (JA0102-54) for instructions on how to install the Serial Communications Adapter. Refer to User Instructions (JA5054-50), or Forced Load Sharing Section 13 of the Operating and Service Instructions, for instructions on how to configure ATevo's to share dc load.



NOTES:

1. FOR TWO (2) UNITS TO LOAD SHARE, CONNECT A13-TB1 OF "PRIMARY" CHARGER TO A13-TB1 OF "SECONDARY" CHARGER USING SUPPLIED ##ft / ##m INTERCONNECTION CABLE (p/n EH5052-0#).
2. FORCED LOAD SHARING FEATURE ONLY FUNCTIONAL WITH ATEVO MODELS (Vdc-Adc) OF IDENTICAL RATING.
3. ATEVO BATTERY CHARGERS OPERATING IN FORCED LOAD SHARING MODE MUST BE CONNECTED TO COMMON DC BUS.
4. CHARGER/BATTERY/LOAD INTER-CONNECTION DC CABLING NOT SUPPLIED WITH ATEVO, NOR WITH FORCED LOAD SHARING ACCESSORY (p/n EJ5306-0#). DC CABLING MAY BE SUPPLIED BY BATTERY MANUFACTURER, SYSTEM INTEGRATOR, OR SITE INSTALLER. SEE BATTERY/SYSTEM DRAWINGS FOR SPECIFICATIONS.
5. TWO (2) WARNING DECALS (p/n FK5046-00) SUPPLIED WITH BAGGED LOAD SHARING KIT FOR FIELD APPLICATION TO VITAL LOCATIONS.
6. FOR DETAILED INSTALLATION, OPERATING AND TROUBLE-SHOOTING PROCEDURES, SEE ATEVO FORCED LOAD SHARING USER INSTRUCTION (JA5054-50).
<http://www.atseries.net/PDFs/JA5054-50.pdf>

REV 2	DRN BY TET	CHK BY MCR	APP BY MCR	DATE 04.03.2025	DRN BY KJB	DATE 12.01.2021	 HINDLEPOWER 1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com		
DESCRIPTION REV. 2 (04.03.2025) REV. 1 (02.14.2024) REV. 0 (12.01.2021)				CHK BY MCR	DATE 12.01.2021	TITLE ATEVO BATTERY CHARGER FORCED LOAD SHARING / PCB DETAIL 1PH 30-50ADC W/COMMON OPTIONS			
				APP BY MCR	DATE 12.01.2021				
				NOTICE: UNCONTROLLED DOCUMENT CHANGES / DIGITAL SIGNATURES MAINTAINED BY MANUFACTURER					
						B SCALE NTS		DWG No JE5257-22	REV 2