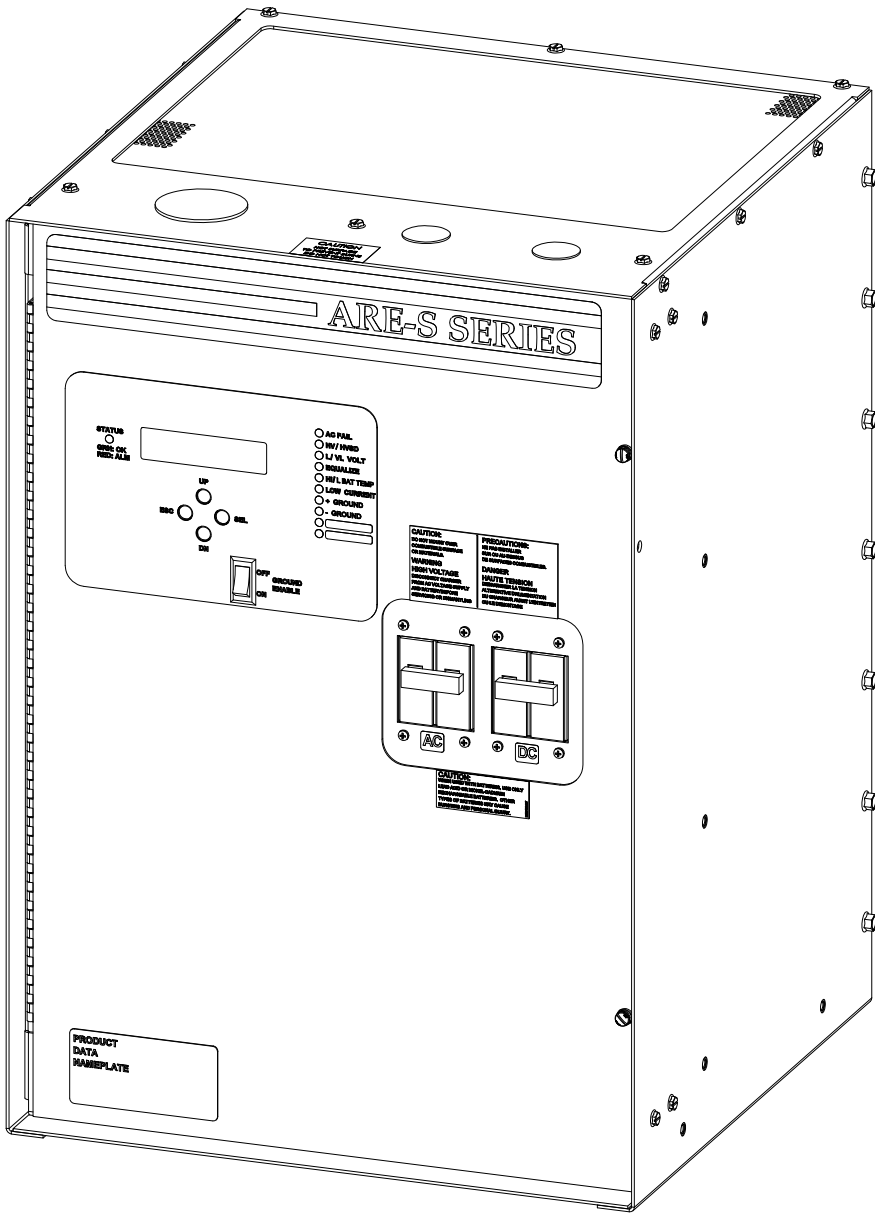


A

B

C

D



SHEET #	DESCRIPTION
1	COVER SHEET & NOTES
2	CABINET OUTLINE
3	CABINET ARRANGEMENT
4	TABLE A: COMPONENT LIST TABLE B: AC BREAKER RATINGS

Rapid Installation and Operation Information

- Unpack and install the charger per the manual.
- Turn on the ac breaker
- Allow the charger to start and reach the set voltage
- Turn on the dc breaker.

If the factory default settings are acceptable, the charger is ready for service.

To change any settings, consult the “Quick Reference Program Chart” to change voltages settings and time delays.

The charger menu returns to the default display if no buttons are pushed for five (5) minutes.

Specifications

Input Voltage:	480 V, 60Hz
Input Current:	12 A
Input Circuit Breaker	15 A
Input Circuit Breaker Interrupt:	480 V Standard – 18 kA 480 V Optional – 25 kA and 65 kA
Output Voltage:	132 VDC
Output Current:	25 A
Output Circuit Breaker:	40 A
Output Circuit Breaker Interrupt:	Standard – 10kA Optional – 48kA

Consult order to determine what options are provided.

ISSUES

ISSUE #	DESCRIPTION	ISS. BY ISS. DATE	APP. BY APP. DATE
5	SEE ECN 20166. UPDATED WITH UNIPOWER LOGO/VERBIAGE.	WD 3/24/15	MCM 3/26/15

APPROVED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:		APPROVALS	DATE
±		DRAWN KEL	10/4/12
HOLES	+0.004 -0.002	CHECKED CJM	10/8/12
FRACTIONS	±1/32	APPROVED MCM	10/9/12
DECIMALS (XX)	±0.020	APPROVED	
DECIMALS (XXX)	±0.010	APPROVED	
ANGLES	±1/2°		

SQUARE CORNERS AND ANGLES ARE 90° UNLESS OTHERWISE SPECIFIED.

WORKMANSHIP:

MATERIAL:

FINISH:

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ARE-S13025, 480V  
STANDARD DRAWINGS

SIZE <b>B</b>	DOC TYPE / NUMBER PN 102-1090-13025E	ISSUE 5
SCALE: N/A	SHEET: 1 OF 4	FILE NAME: PN102-1090-13025E_ISS_5

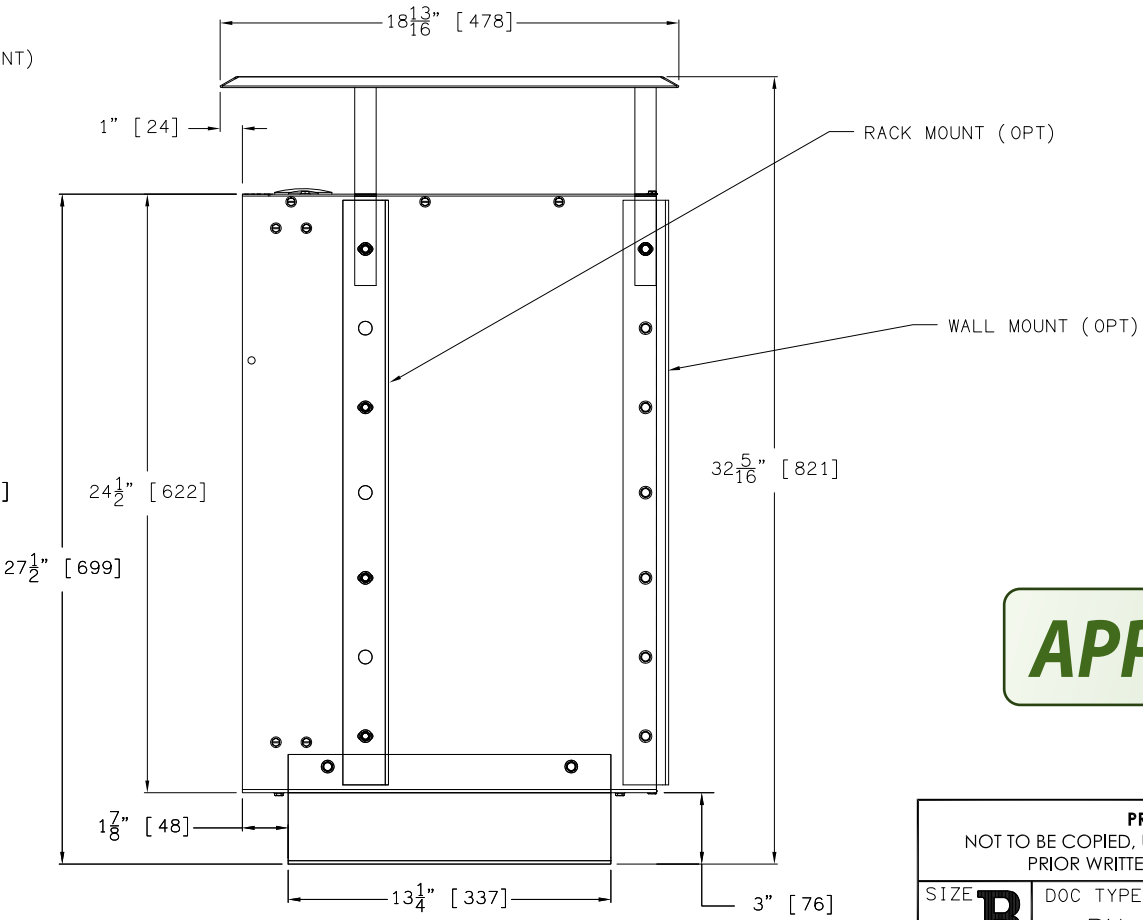
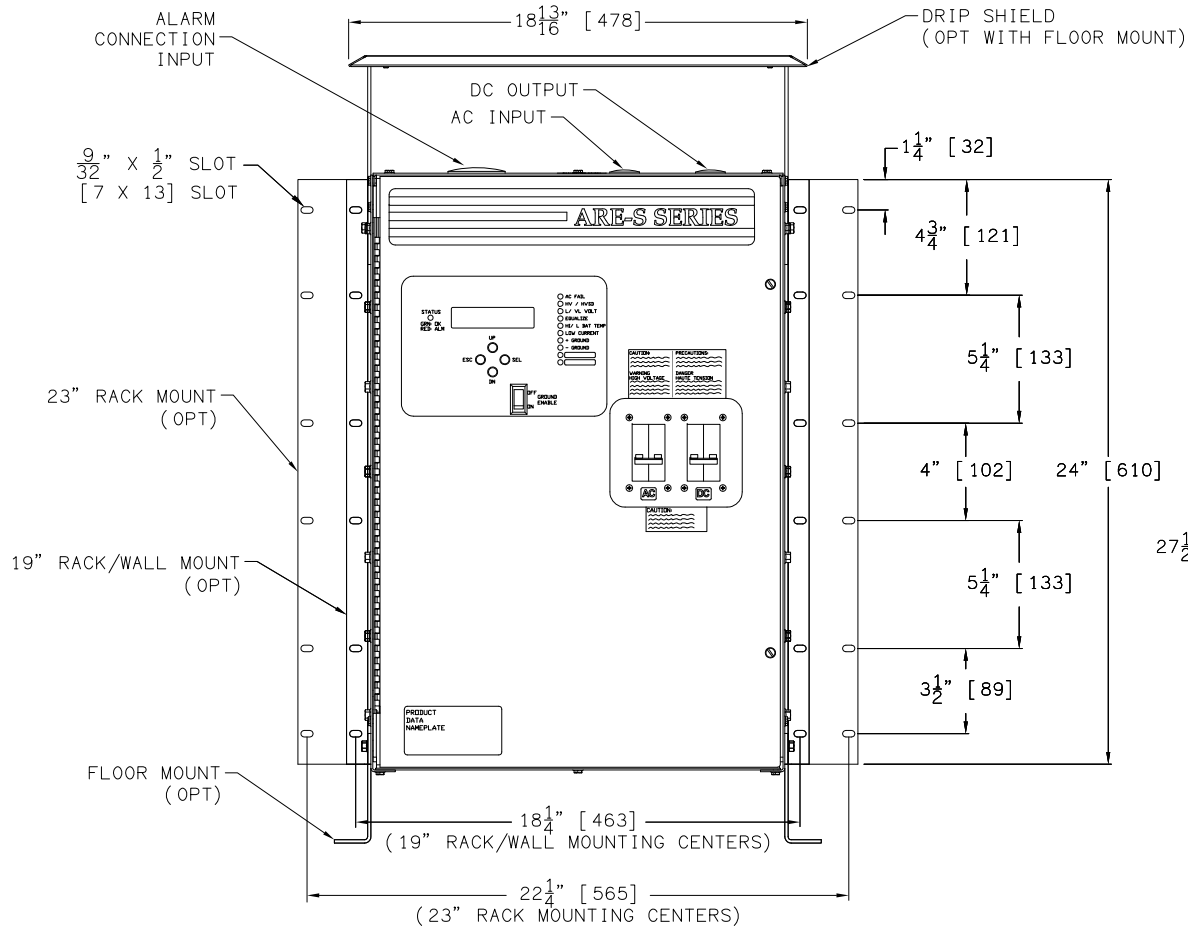
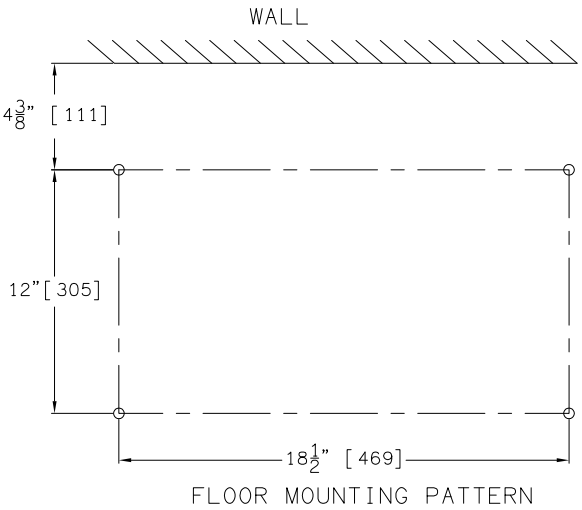
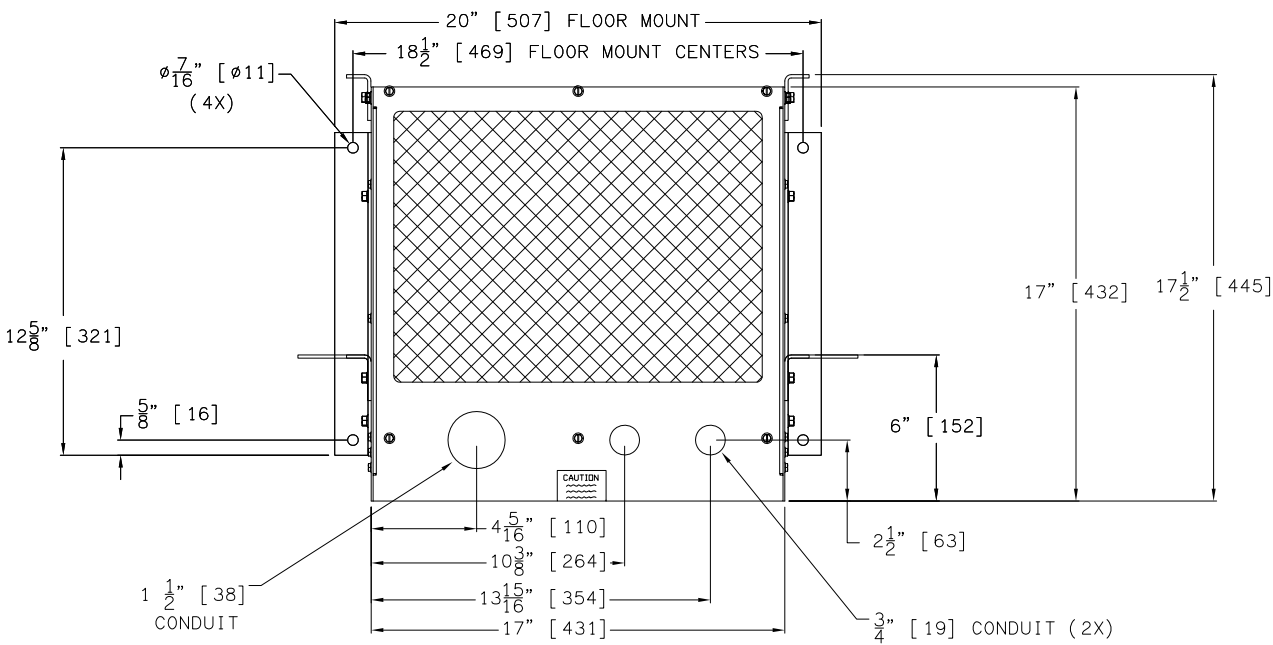
A

B

C

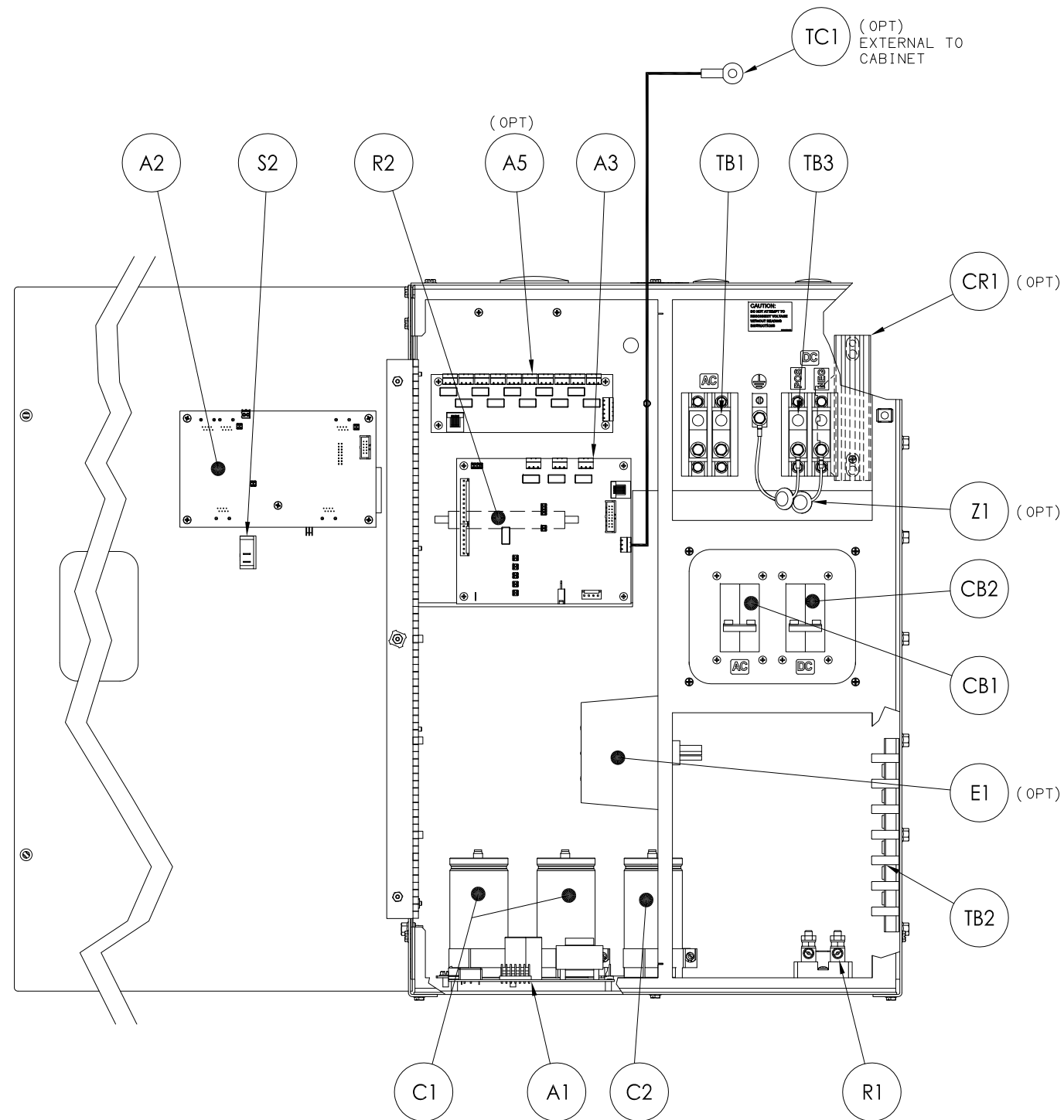
D

(SHOWN WITH DRIP SHIELD REMOVED)



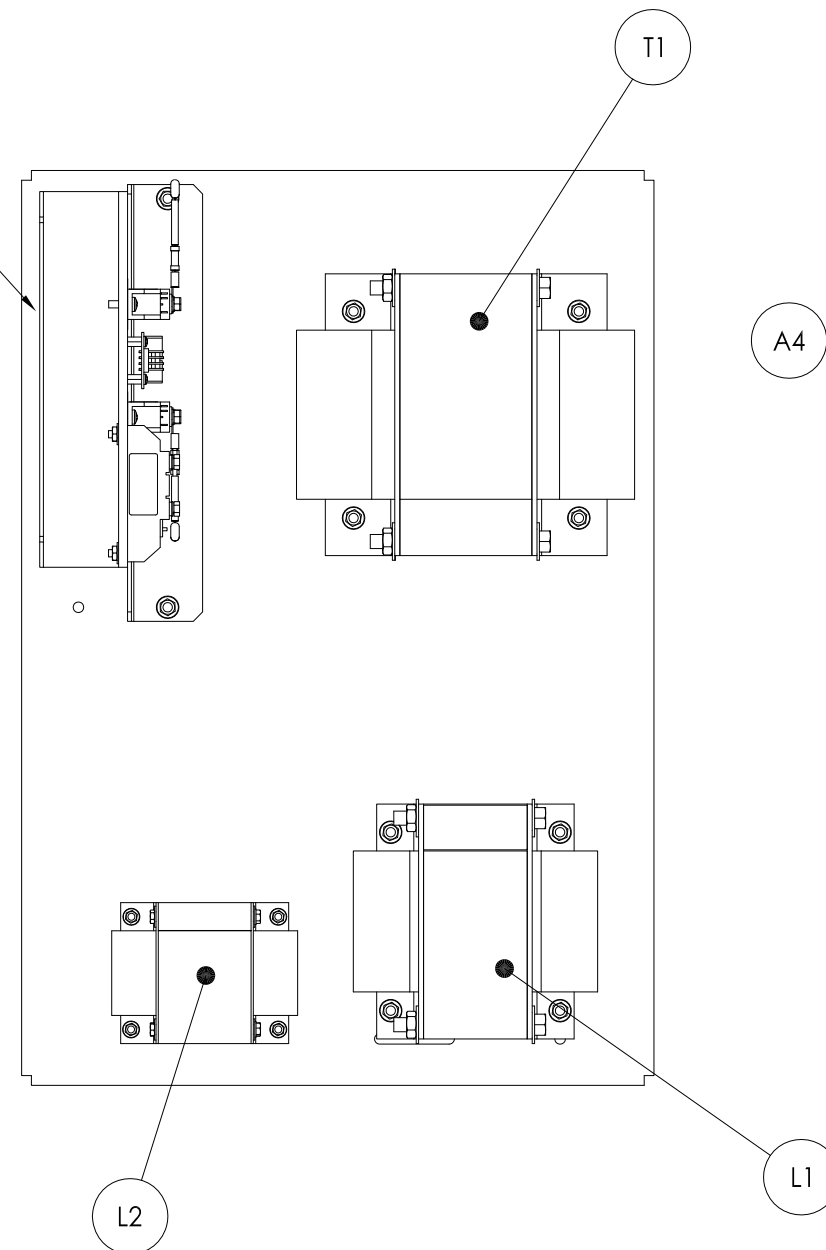
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SIZE <b>B</b>	DOC TYPE / NUMBER PN 102-1090-13025E	ISSUE 5
SCALE: N/A	SHEET: 2 OF 4	FILE NAME: PN102-1090-13025E_ISS_5

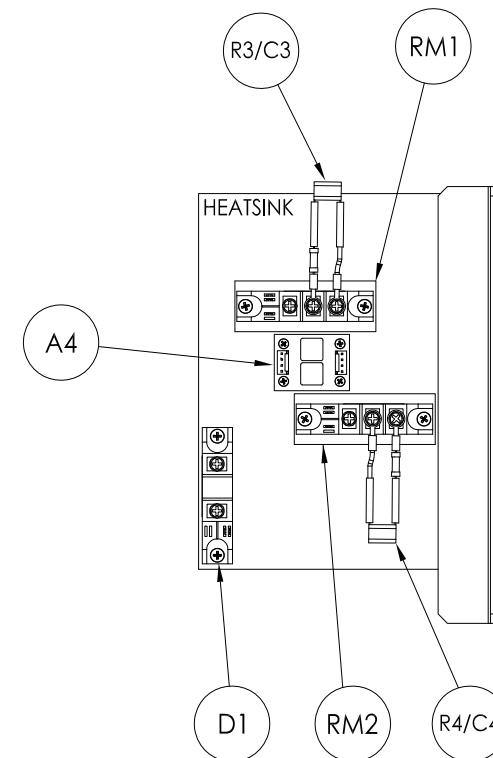


FRONT OF CABINET WITH  
DOOR OPEN AND BACK PANEL  
REMOVED FOR CLARITY

RECTIFIER  
ASSEMBLY



(OPT) FRONT OF BACK PANEL



RECTIFIER  
ASSEMBLY

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SIZE <b>B</b>	DOC TYPE / NUMBER PN 102-1090-13025E	ISSUE 5
SCALE: N/A	SHEET: 3 OF 4	FILE NAME: PN102-1090-13025E_ISS_5

TABLE A

SEQ ID	DESCRIPTION	PART #s	RECOMMENDED SPARE PARTS
A1	Power Supply PCB	306.2990.130	X
A2	Control and Display PCB	306.2993.00	X
A3	Interface PCB	306.2991.130	X
A4	Trigger Board	306.2989.00	X
A5	Additional Relay PCB (Opt)	306.2994.00	If option is in unit
C1	Cap, Filter	450.0830.00	
C2	Cap, Filter	450.0830.00	
CB1	Circuit Breaker, Input	SEE TABLE B	
CB2	Circuit Breaker, Output (Std)	JR00799	
CB2	Circuit Breaker, Output Hi-Cap (Opt)	272.0126.40	
CR1	Blocking Diode (Opt)	576.0500.00	If option is in unit
D1	Free Wheeling Diode	576.0500.00	X
E1	Lightning Arrestor 480V (Opt)	594.2041.00	If option is in unit
L1	Choke, Main	141.3418.00	
L2	Choke Eliminator (Opt)	141.3403.00	
R1	Shunt (50mV)	JM00248	
R2	Resistor, Preload	685.0170.00	
R3/C3	Surge Protection	307.2724.00	
R4/C4	Surge Protection	307.2724.00	
RM1	SCR/Diode Module	583.0151.90	X
RM2	SCR/Diode Module	583.0151.90	X
S2	Ground Switch	240.4130.00	
T1	Transformer, Power 480V	143.3401.10	
TB1	Terminal Block	JL00898	
TB2	Terminal Block	JL00127	
TB3	Terminal Block	JL00898	
TC1	Thermosensor (Opt)	385.5627.11	If option is in unit
Z1	DC Output MOVs (Opt)	JA03079-150V	If option is in unit

TABLE B

Nominal Input Voltage	Interrupt Rating		
	18K	25K	65K
480V	272.0124.15	272.0125.15	272.0126.15

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SCALE: N/A	SHEET: 4 OF 4	FILE NAME: PN102-1090-13025E_ISS_5