

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

ISSUES			
ISSUE #	DESCRIPTION	ISS. BY ISS. DATE	APP. BY APP. DATE
4	SEE ECN20155. UPDATED WITH UNIPOWER LOGO/VERBIAGE.	WD 3/23/15	MCM 3/25/15
<div>APPROVED</div>			
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			
ANGLES ±1/2°			
SQUARE CORNERS AND ANGLES ARE 90° UNLESS OTHERWISE SPECIFIED.			
WORKMANSHIP: PER SPEC ENG032			
MATERIAL:			
FINISH:			
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<div><div></div><div>UNIPOWER</div><div>Powering Technology</div></div>			
ARE-S13016 STANDARD DRAWINGS			
SIZE B	DOC TYPE / NUMBER PN 102-1090-13016	ISSUE 4	
SCALE: N/A	SHEET: 1 OF 4	FILE NAME: PN102-1090-13016_ISS_4	

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.

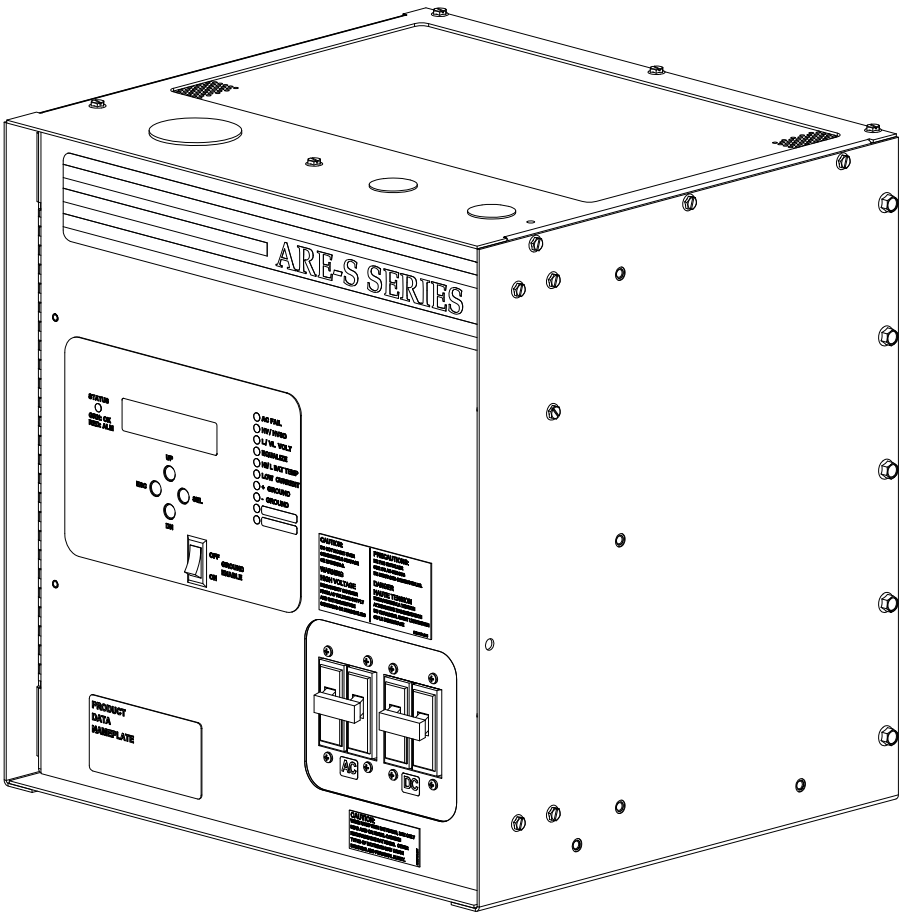
The charger menu returns to the default display if no buttons are pushed for five (5) minutes.

Specifications

Input Voltage: 120/208/240 V
Input Current: 35/20/18 A
Input Circuit Breaker 45/25/25 A
Input Circuit Breaker Interrupt: Standard – 10 kA
Optional – 22 kA and 42 kA

Output Voltage: 132 VDC
Output Current: 16 A
Output Circuit Breaker: 20 A
Output Circuit Breaker Interrupt: Standard – 10kA
Optional – 42kA

Consult order to determine what options are provided.



A

B

C

D

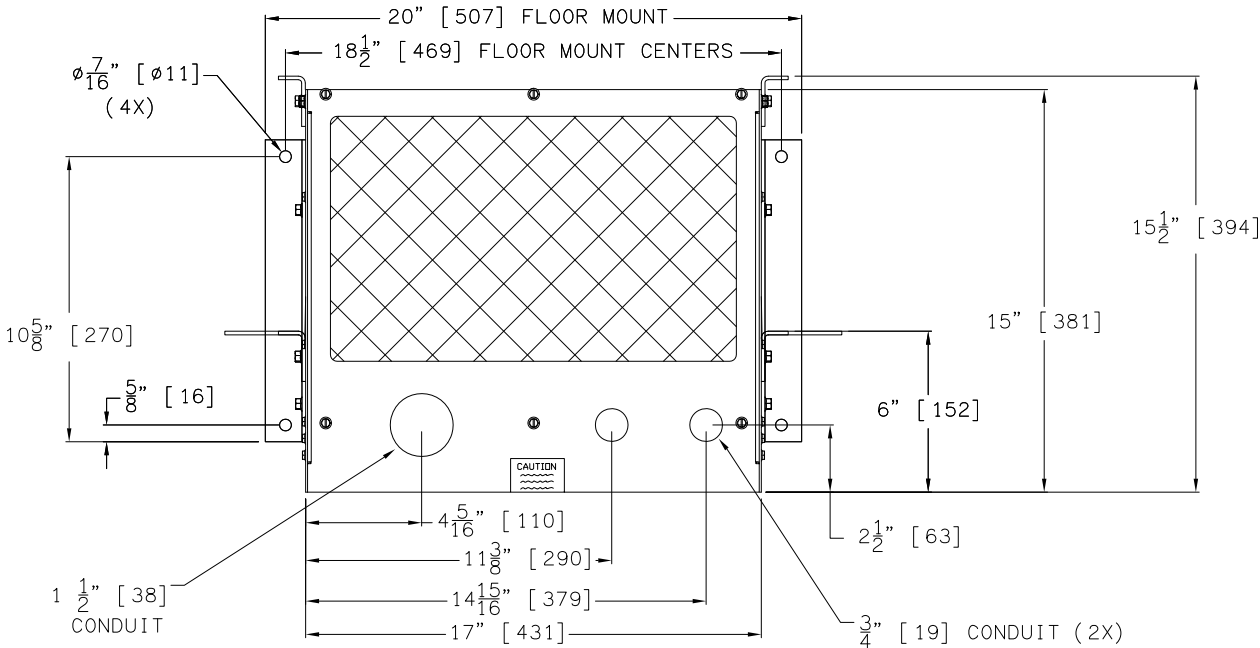
A

B

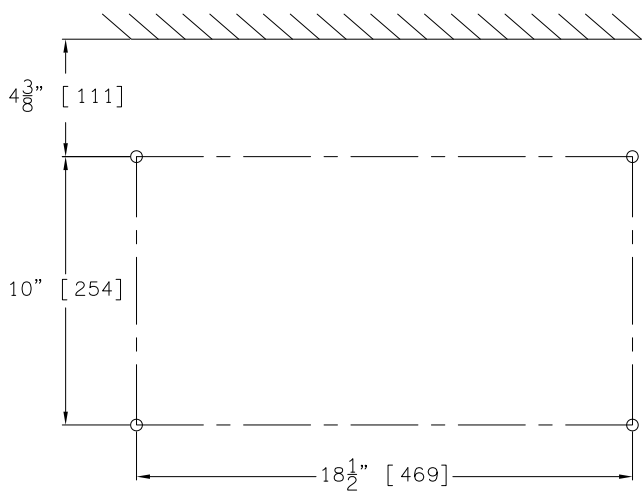
C

D

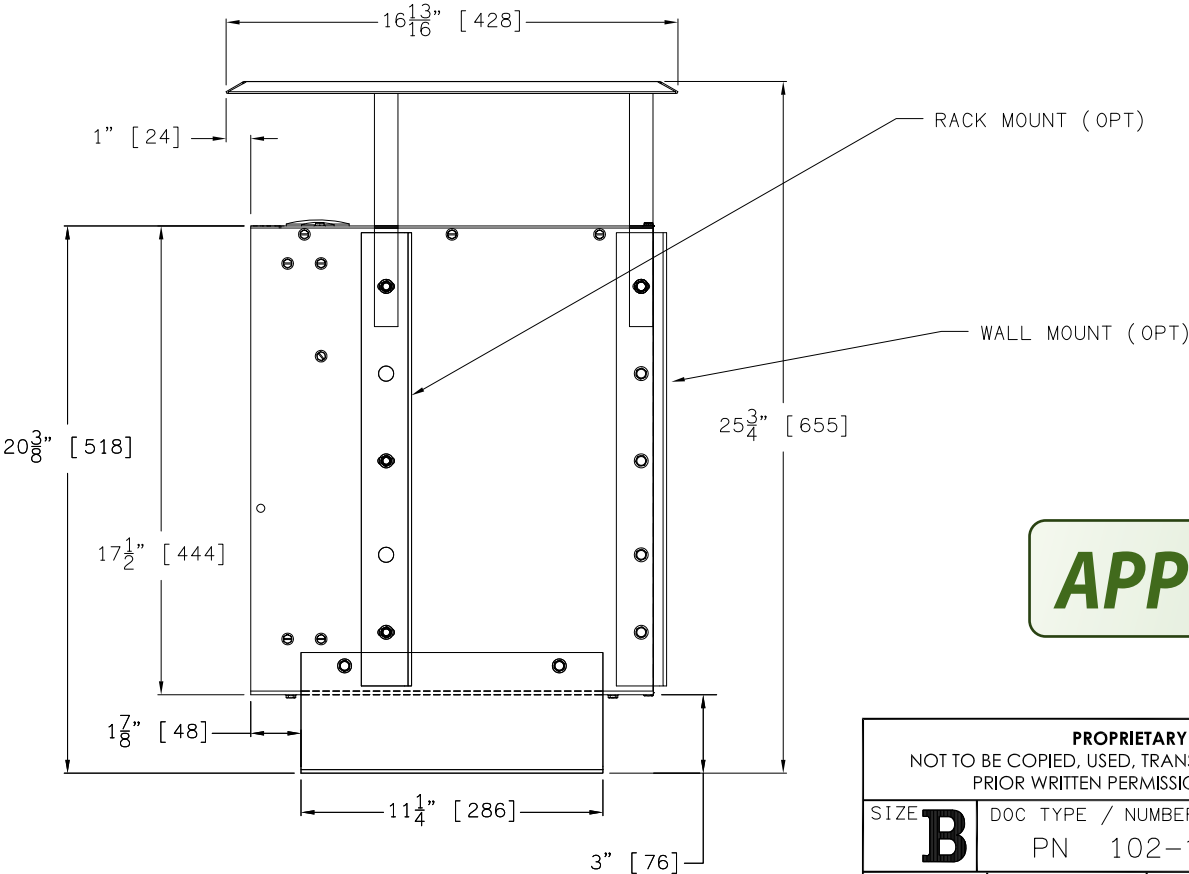
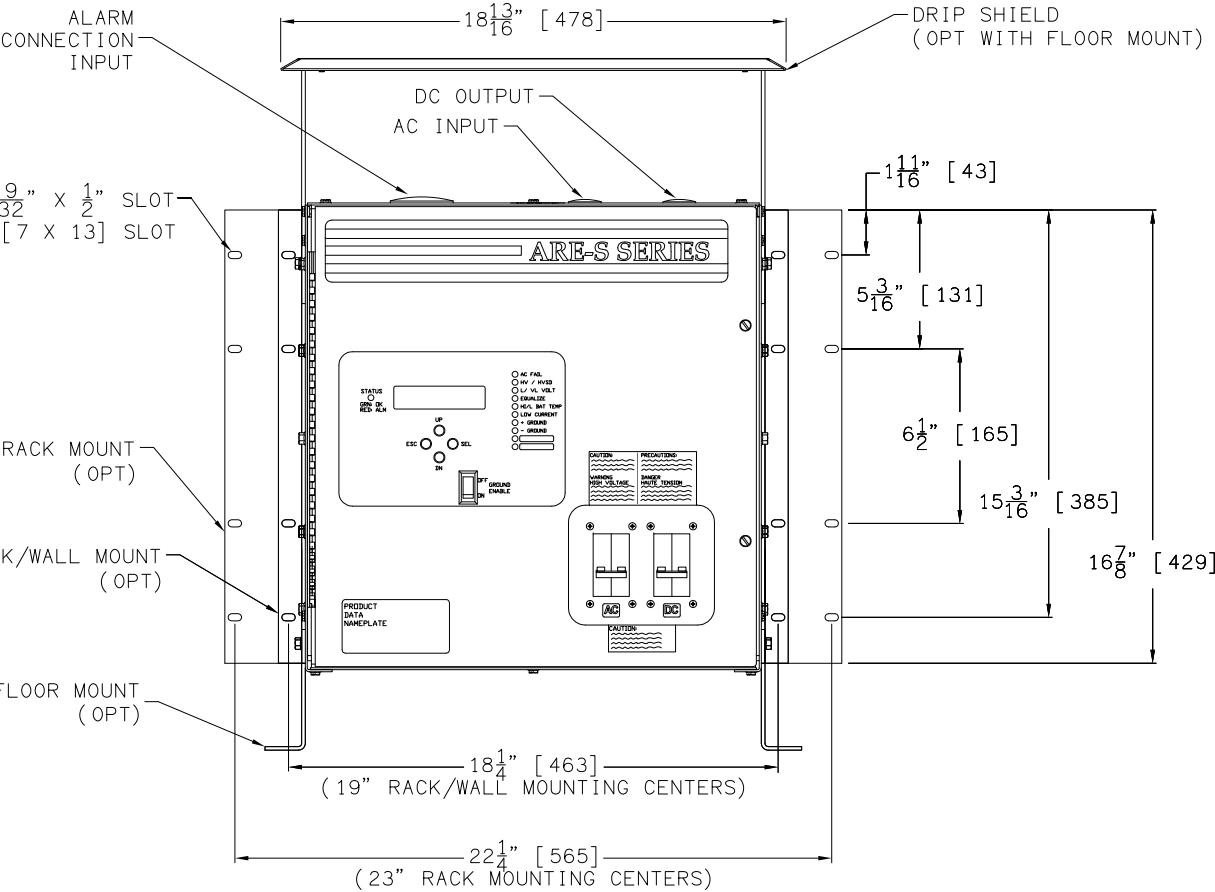
(SHOWN WITH DRIP SHIELD REMOVED)



WALL



FLOOR MOUNTING PATTERN



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A

B

C

D

ON REAR
OF PANEL

R2

TC1 (OPT)
EXTERNAL TO
CABINET

(OPT)
E1

(OPT)
A5

A2

S2

A3

TB1

TB3

Z1 (OPT)

TB2

CB1

CB2

CR1 (OPT)

DOOR
GROUND
WIRE

C1

A1

C2

R1

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

RECTIFIER
ASSEMBLY

L2

(OPT)

FRONT OF BACK PANEL

T1

R3/C3

RM1

HEATSINK

A4

D1

RM2

R4/C4

RECTIFIER
ASSEMBLY

L1

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A

B

C

D

ED991-5001-B3 Issue 3

1

2

3

4

A

B

C

D

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)	JR00797	
CB2	Circuit Breaker, Output Hi-Cap (Opt)	272.0126.20	
CR1	Blocking Diode (Opt)	JS00485	If option is in unit
D1	Free Wheeling Diode	576.0501.00	X
E1	Lightning Arrestor 120/240V (Opt)	JS00885	If option is in unit
L1	Choke, Main	141.3417.00	
L2	Choke Eliminator (Opt)	141.3402.00	
R1	Shunt (50mV)	JM00247	
R2	Resistor, Preload	685.0170.00	
R3/C3	Surge Protection	307.2724.00	
R4/C4	Surge Protection	307.2724.00	
RM1	SCR/Diode Module	583.0151.40	X
RM2	SCR/Diode Module	583.0151.40	X
S2	Ground Switch	240.4130.00	
T1	Transformer, Power 120/208/240V	143.3409.00	
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		
	10K	22K	42K
120V	272.0119.45	272.0121.45	272.0123.45
208V	272.0119.25	272.0121.25	272.0123.25
240V	272.0119.25	272.0121.25	272.0123.25

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1

2

3

4