

Advantage Air Series Cathodic Protection Rectifier



■ INTEGRATED
RECTIFIER TECHNOLOGIES INC.

The **IRT Advantage Air Series** is designed and manufactured with high quality materials to provide reliability and longevity in protecting industry assets and our environment.

This series has numerous optional features available making it customizable for the majority of CP applications.

STANDARD FEATURES

- Type 3R enclosure; with powder coated 12 gauge mill galvanized steel construction (other gauges, materials and finishes optional); stainless steel hardware; lockable, with 3 removable doors; pole or wall mounting (base mounting optional)
- Single slide-out frame construction (dual slide-out racks optional)
- Electrical hardware is brass or copper with electroless nickel plated finish
- Electrical connections are double-nutted
- Single and three phase AC input available
- Magnetic trip AC input circuit breaker(s)



- Class H transformer with over capacity design
- 25 steps of tap link bar output adjustment (additional tap steps and/or tap switches optional)
- AC secondary high speed fusing with spare(s) (additional fusing and/or circuit breakers optional)
- Silicon diode rectification bridge with surge protection
- 3½" analog DC output voltmeter and ammeter (+/- 2% accuracy) (digital meters optional)
- High energy AC and DC lightning/surge protection
- Operating ambient: -50° to +45°C (-58° to +113°F)
- NRTL electrical approval (CSA/US, Intertek/ETL)
- Numerous optional features available for customization

Products to protect your assets and our environment!

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RECTIFIER TECHNOLOGIES INC.

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Advantage Air Series Model Coding and Enclosure Dimensions

ADASFS 60-42B

ADVANTAGE LINE MODEL

AIR-COOLED TYPE

SILICON RECTIFIER TYPE

AC INPUT

A - 115 VAC
B - 208 VAC
C - 230 VAC
D - 416 VAC
E - 460 VAC
F - 115/230 VAC
G - 230/460 VAC
H - 600 VAC
Z - OTHER INPUT
CONSULT
FACTORY

AC PHASE

S - SINGLE PHASE
T - THREE PHASE

DC VOLTAGE RATING

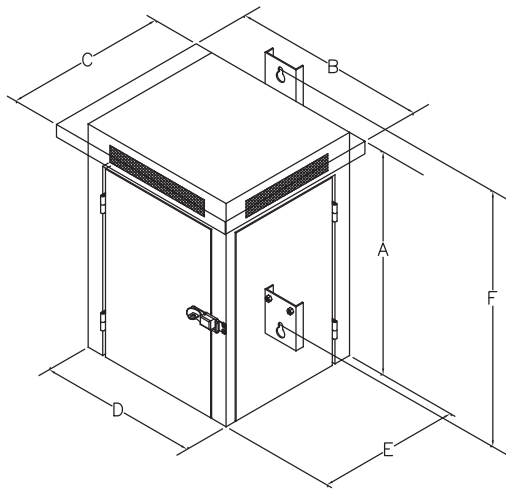
DC CURRENT RATING

COMMON OPTIONAL FEATURES

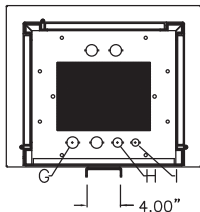
A - ALARM CIRCUIT
B - BASE MOUNTING LEGS (12" Typical)
D - UPGRADED DIODE VOLTAGE (PIV) RATING
E - EFFICIENCY FILTER (CHOKE)
F - NON-STANDARD ENCLOSURE FINISH
G - GFI CONVENIENCE OUTLET
I - INTERRUPTER CIRCUIT
J - NON-STANDARD AC INPUT FREQUENCY (50 Hz.)
L - NON-STANDARD DC LUG TERMINALS
M - EXTRA RECTIFIER METER
N - AUXILIARY NEGATIVE OUTPUT CIRCUIT
O - METER SWITCH
P - AUXILIARY POSITIVE OUTPUT CIRCUIT
Q - NON-STANDARD TRANSFORMER ADJUSTMENT
R - POTENTIAL METER
T - EXTENDED TEMPERATURE RATING
X - EXPORT CRATING
Y - SPECIAL TEST, DOCUMENT OR LABEL REQUIREMENT

Option details available on our website: irtrectifier.com

TYPICAL A-2 OR A-3 SIZE ENCLOSURE



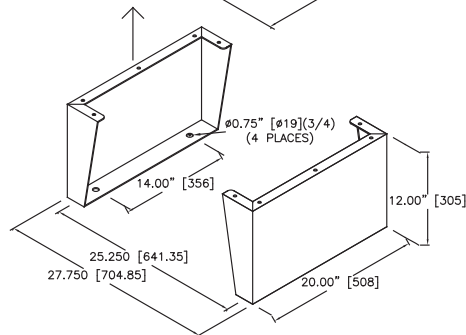
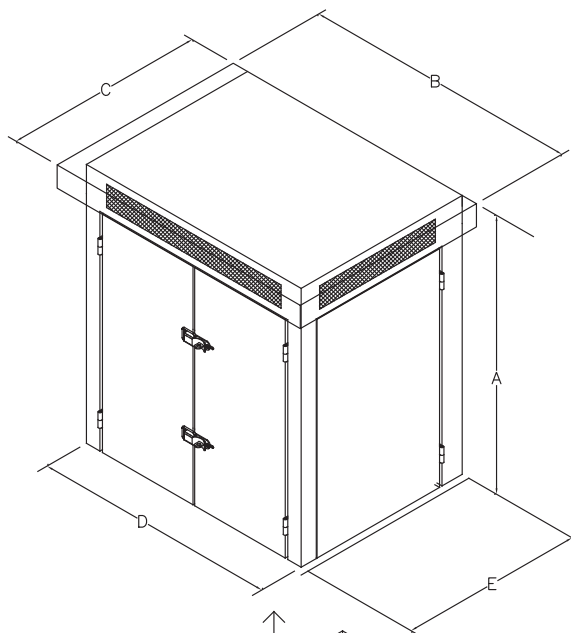
BOTTOM VIEW



NOTE:
A-2 & A-3 ENCLOSURES ARE SUPPLIED WITH (2) KEYHOLES SIZED FOR A MAXIMUM 5/8 (0.625") MOUNTING BOLT. OPTIONAL BASE MOUNTING IS AVAILABLE.

A-4 ENCLOSURES ARE SUPPLIED WITH BASE MOUNTING INSTEAD OF WALL/POLE MOUNTING BRACKETS.

TYPICAL A-4 SIZE ENCLOSURE



ENCL. SIZE	Enclosure Dimensions ("")						Conduit Knockout Size		
	A	B	C	D	E	F	G	H	I
A-2	26.625	23.250	19.250	19.000	17.000	30.500	(1) 1KO (1.375")	(1) 3/4KO (1.125")	(1) 1/2KO (0.875")
A-3	32.625	26.250	24.250	22.000	22.000	36.500	(1) 1KO (1.375")	(1) 3/4KO (1.125")	(1) 1/2KO (0.875")
A-4	36.00	36.250	26.250	32.000	24.000	N/A	(1) 1KO (1.375")	(1) 3/4KO (1.125")	(1) 1/2KO (0.875")

NOTE: For A-5 enclosure details, consult with IRT factory.