



INNOVATIVE POWER SOLUTIONS

GENERATOR DOCKING STATION ENGINEERING PACKAGE



FLORIDA
(866)825-8525
SALES@POWERASSEMBLIES.COM
POWERASSEMBLIES.COM



LAS VEGAS
(877)597-5787
SALES@POWERASSEMBLIES.COM
POWERASSEMBLIES.COM



TABLE OF CONTENTS

SECTION 1: PRODUCT BULLETIN

SECTION 2: FACTORY DRAWINGS

SECTION 3: SPECIFICATIONS



INNOVATIVE POWER SOLUTIONS

SECTION 1

PRODUCT BULLETIN

GENERATOR DOCKING STATION



INNOVATIVE POWER SOLUTIONS

GENERATOR DOCKING STATION

POWER DISTRIBUTION

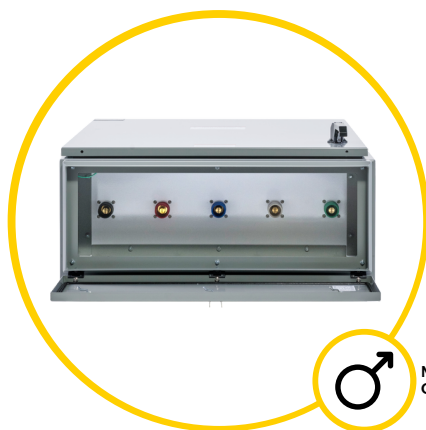
The Power Assemblies Generator Docking Station is a high-quality, low-cost unit with a camlock quick connection system. The Generator Docking Station is used in conjunction with a transfer switch to provide a convenient, quick connect option for emergency power. The mini, standard, and large system configurations allow for numerous wiring possibilities to fit customer and building requirements.

APPLICATIONS

Hospitals
Data Centers
Airports
Emergency Applications

BENEFITS

Spatial efficiency
Lockable
Pad-Mounted Large GDS option
Wall-Mounted Standard & Mini options



MALE
QUICK CONNECT



SILVER-PLATED
BUSSING



HINGED ACCESS
PROTECTION



GENERATOR DOCKING STATION - PART NUMBER SCHEMA

GDS PRODUCT PREFIX	X SERIES	XX AMPERAGE	X VOLTAGE CODE
	M Mini	04 400A	1 120V (BLK/WHT/GRN)
	S Standard	08 800A	2 120/240V (BLK/RED/WHT/GRN)
	L Large	12 1200A	3 208V (BLK/RED/BLU/GRN)
		16 1600A	4 120/208V (BLK/RED/BLU/WHT/GRN)
		20 2000A	5 480V (BRN/ORG/YEL/GRN)
			6 277/480V (BRN/ORG/YEL/WHT/GRN)
			7 600V (RED/BLK/BLU/GRN)
			8 347/600V (RED/BLK/BLUE/WHT/GRN)

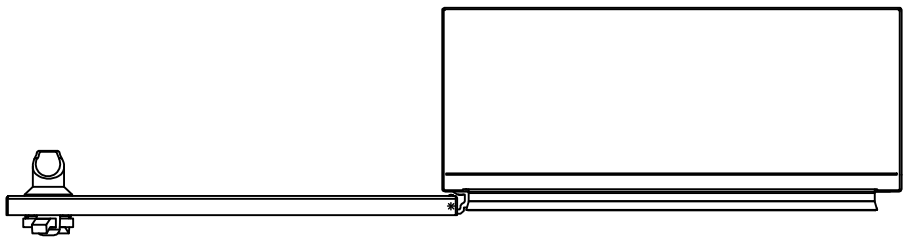
SECTION 2

FACTORY DRAWINGS

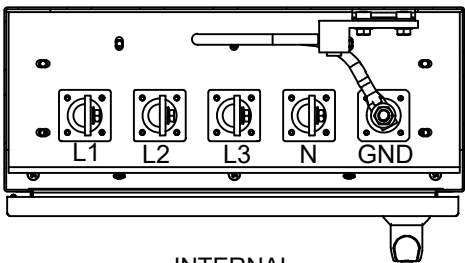
GENERATOR DOCKING STATION



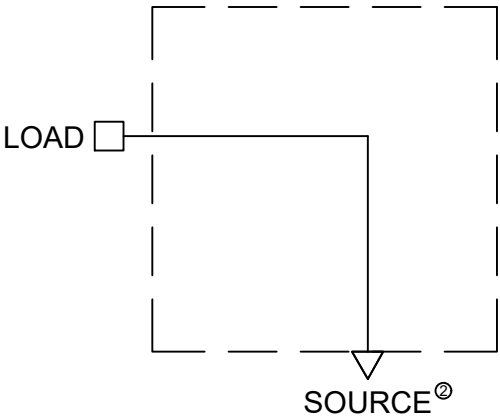
INNOVATIVE POWER SOLUTIONS



TOP
VIEW



INTERNAL
TOP VIEW

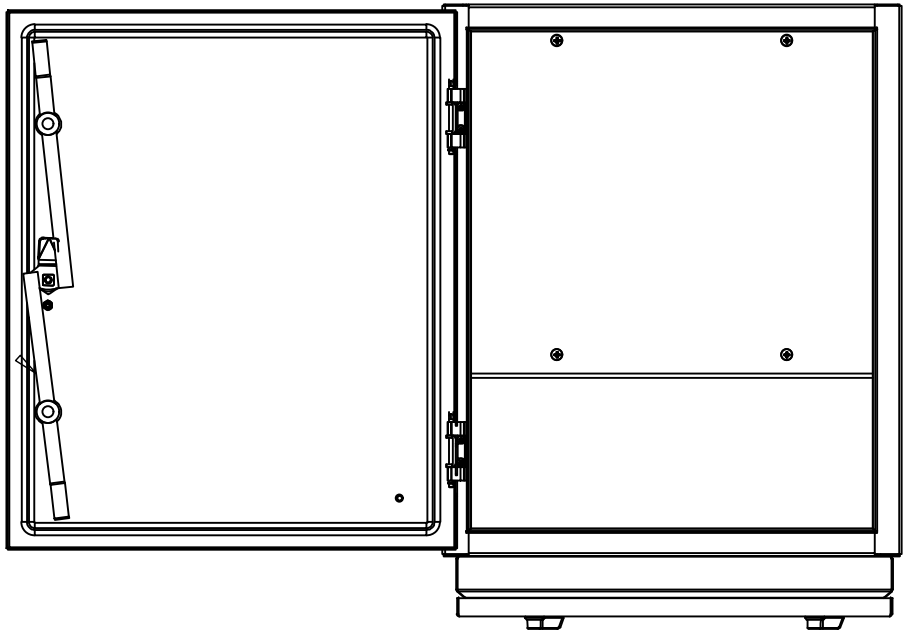


ONE-LINE KEYNOTES⁰⁰

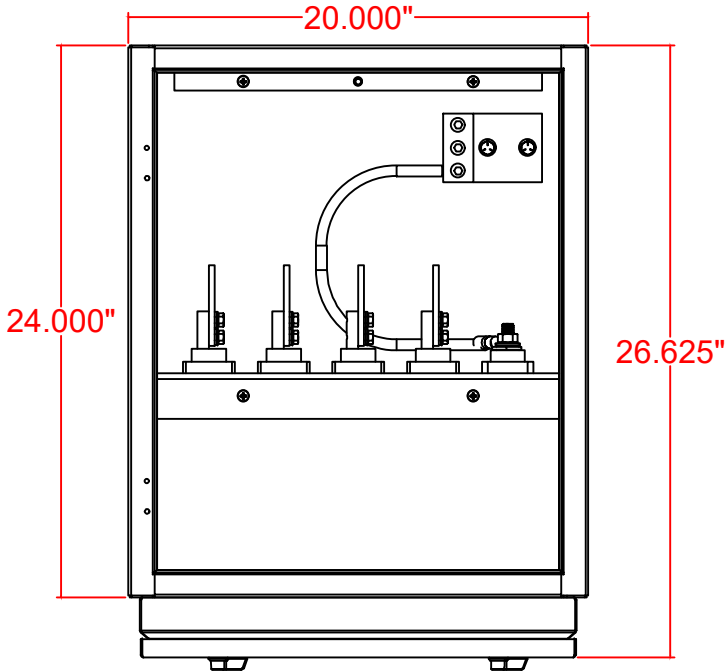
- 1. Fusible or Non-Fusible
- 2. Cams to Source: S16 Male
- 3. Cams to Load: S16 Female

LEGEND

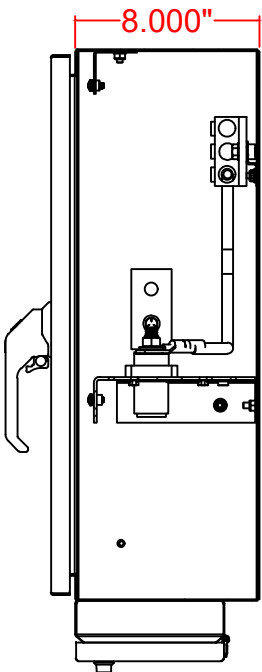
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)



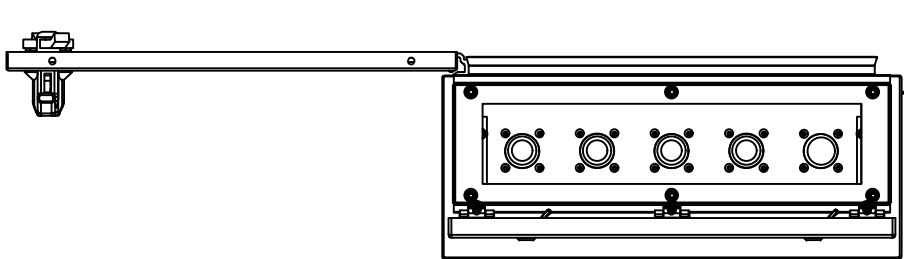
DEADFRONT
VIEW



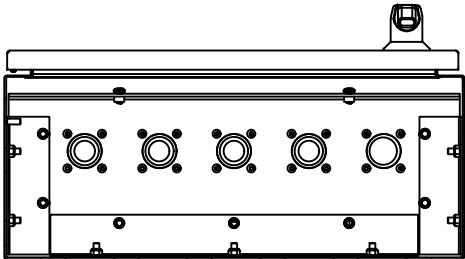
INTERNAL
FRONT VIEW



INTERNAL
SIDE VIEW



BOTTOM
VIEW



INTERNAL
BOTTOM VIEW

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-04M-1	400A	MINI	120V
PWA-GDS-04M-2	400A	MINI	120/240V
PWA-GDS-04M-3	400A	MINI	208V
PWA-GDS-04M-4	400A	MINI	120/208V
PWA-GDS-04M-5	400A	MINI	480V
PWA-GDS-04M-6	400A	MINI	277/480V
PWA-GDS-04M-7	400A	MINI	600V
PWA-GDS-04M-8	400A	MINI	347/600V

****BLANKS INSTALLED FOR 2P2W, 2P3W, AND 3P3W APPLICATIONS**

REVISION RECORD:

No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100
Henderson, NV 89044
(877)597-5785

1650 NW 18th St, Ste 807A
Pompano Beach, FL 33069
(866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-04M

BUILD NAME:

400A Mini Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC

REV A

Revision/Version No.

AS

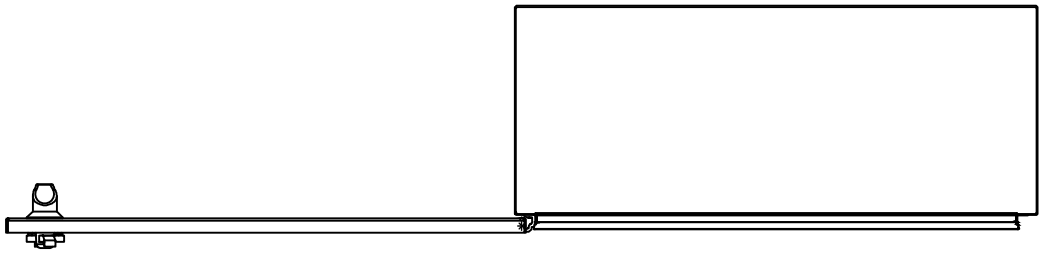
Drawing By

06/07/2022

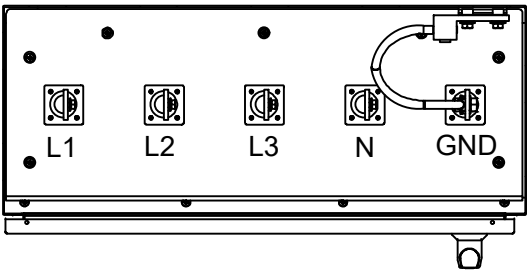
Date

1 OF 1

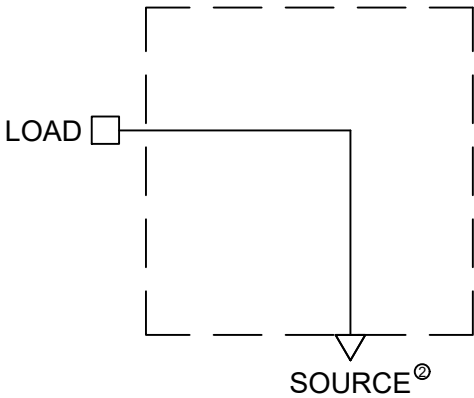
Sheet No.



TOP
VIEW



INTERNAL
TOP VIEW

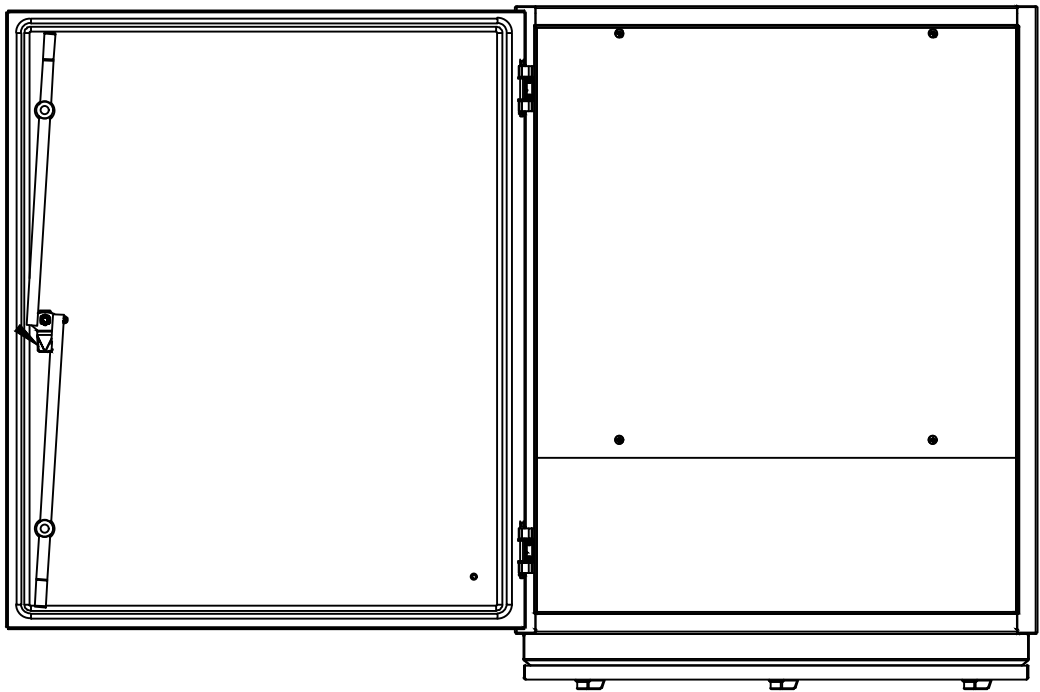


ONE-LINE KEYNOTES^⑩

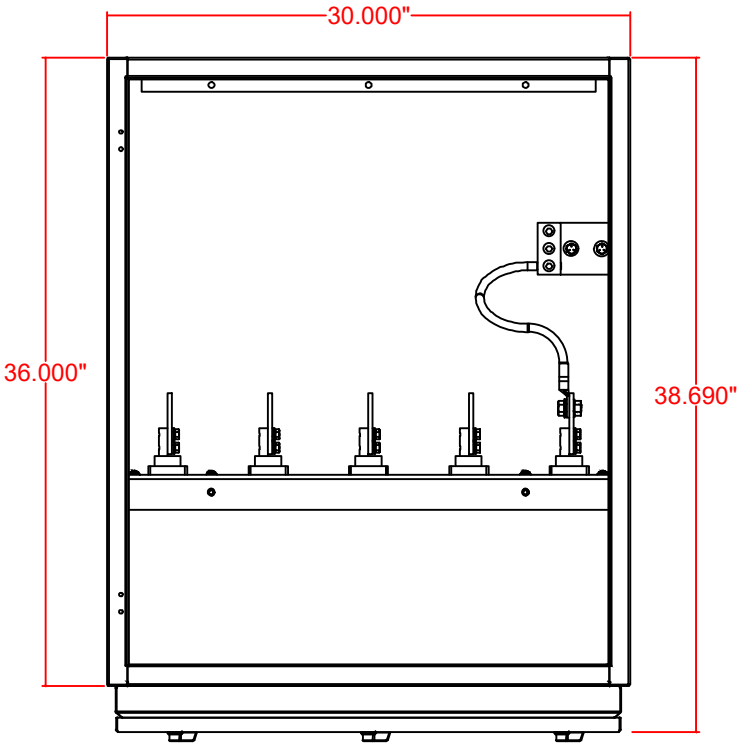
- 1. Fusible or Non-Fusible
- 2. Cams to Source: S16 Male
- 3. Cams to Load: S16 Female

LEGEND

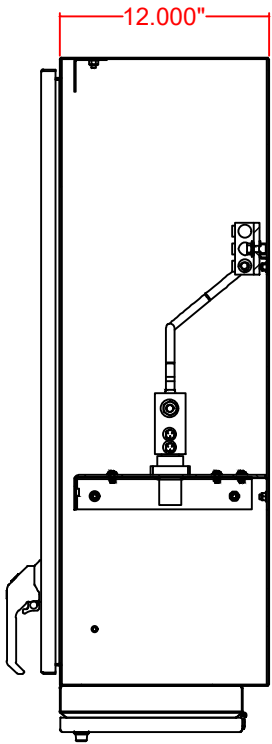
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)



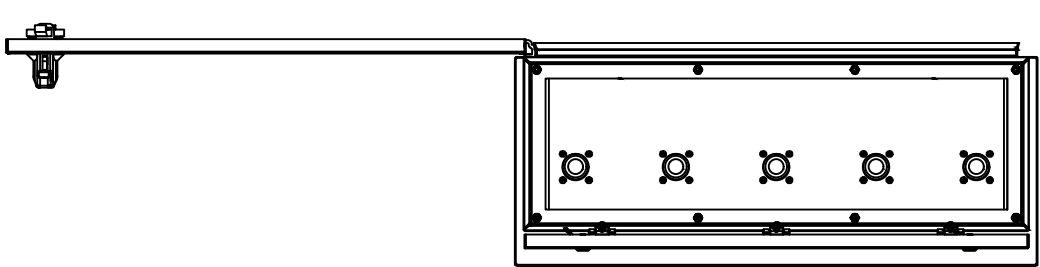
DEADFRONT
VIEW



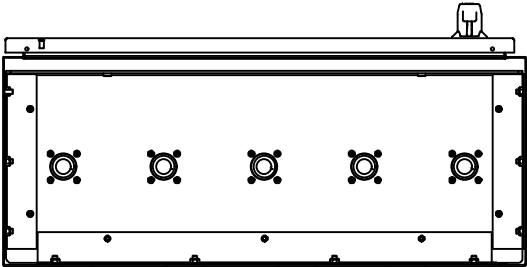
INTERNAL
FRONT VIEW



INTERNAL
SIDE VIEW



BOTTOM
VIEW



INTERNAL
BOTTOM VIEW

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-04S-1	400A	STANDARD	120V
PWA-GDS-04S-2	400A	STANDARD	120/240V
PWA-GDS-04S-3	400A	STANDARD	208V
PWA-GDS-04S-4	400A	STANDARD	120/208V
PWA-GDS-04S-5	400A	STANDARD	480V
PWA-GDS-04S-6	400A	STANDARD	277/480V
PWA-GDS-04S-7	400A	STANDARD	600V
PWA-GDS-04S-8	400A	STANDARD	347/600V

**BLANKS INSTALLED FOR 2P2W, 2P3W, AND 3P3W APPLICATIONS

REVISION RECORD:

No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100
Henderson, NV 89044
(877)597-5785

1650 NW 18th St, Ste 807A
Pompano Beach, FL 33069
(866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-04S

BUILD NAME:

400A Standard Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

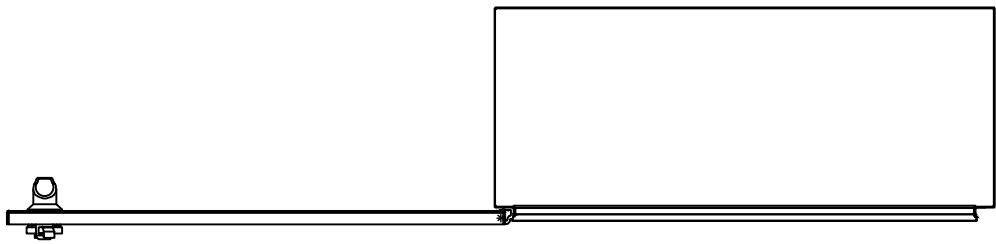
Drawing By

06/08/2022

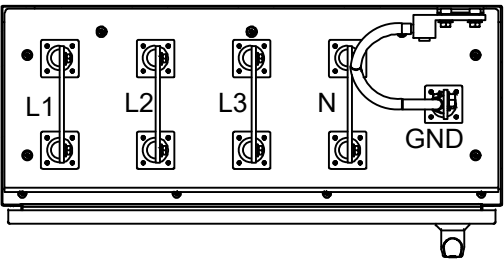
Date

1 OF 1

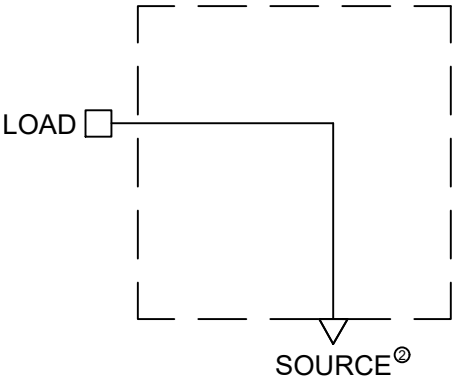
Sheet No.



TOP
VIEW



INTERNAL
TOP VIEW

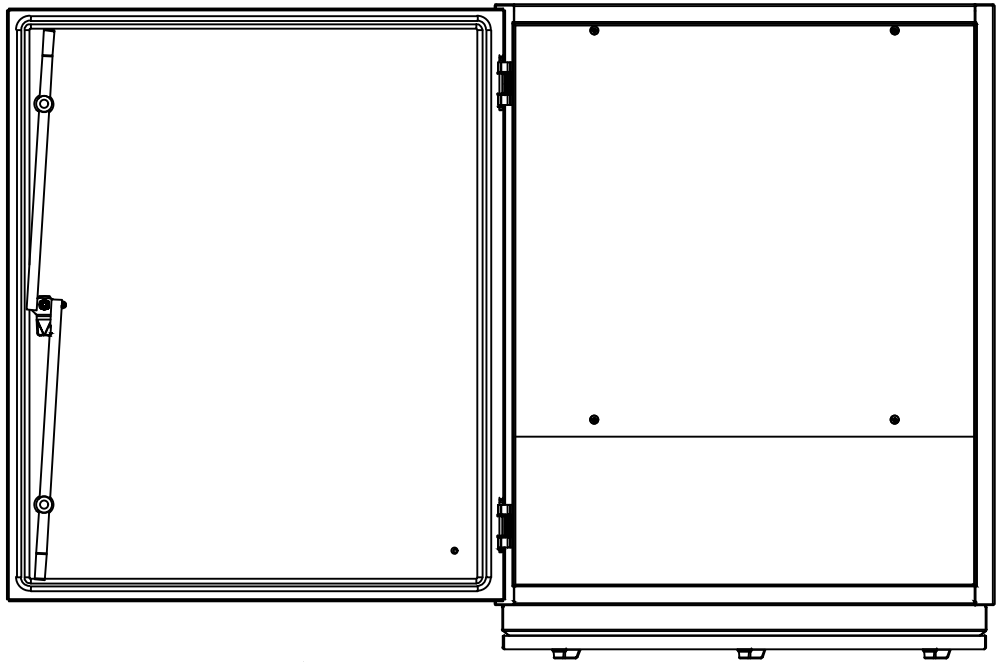


ONE-LINE KEYNOTES[®]

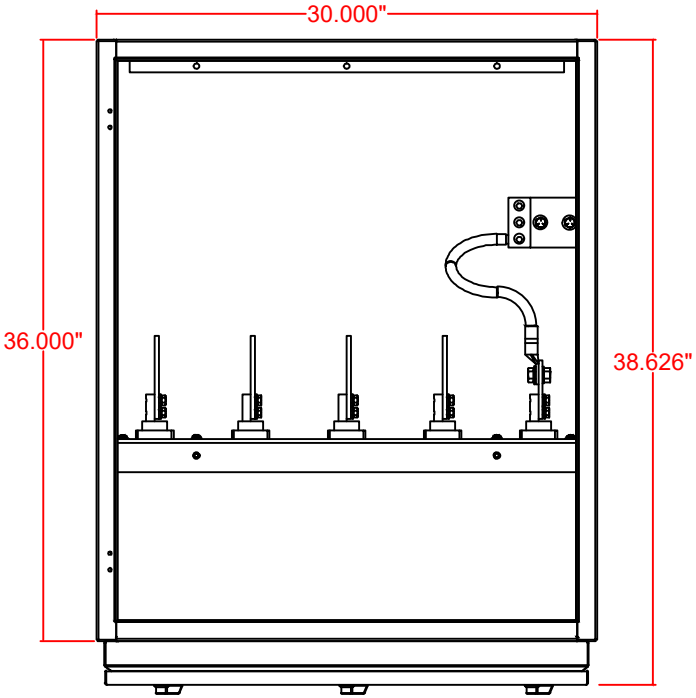
1. Fusible or Non-Fusible
2. Cams to Source: S16 Male
3. Cams to Load: S16 Female

LEGEND

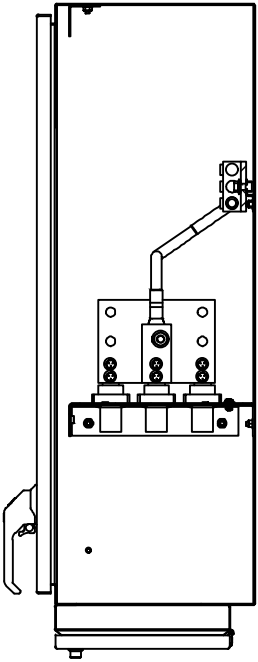
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)



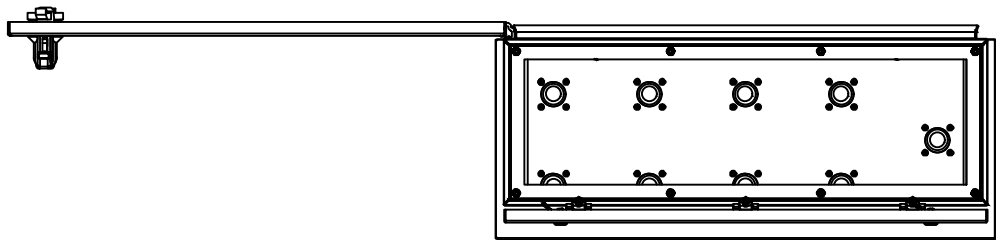
DEADFRONT
VIEW



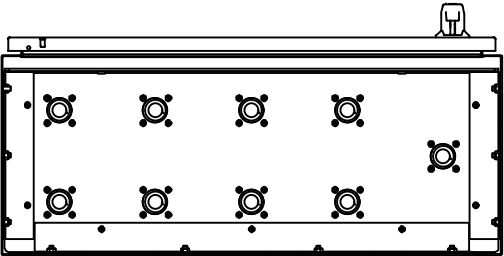
INTERNAL
FRONT VIEW



INTERNAL
SIDE VIEW



BOTTOM
VIEW



INTERNAL
BOTTOM VIEW

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-08S-1	800A	STANDARD	120V
PWA-GDS-08S-2	800A	STANDARD	120/240V
PWA-GDS-08S-3	800A	STANDARD	208V
PWA-GDS-08S-4	800A	STANDARD	120/208V
PWA-GDS-08S-5	800A	STANDARD	480V
PWA-GDS-08S-6	800A	STANDARD	277/480V
PWA-GDS-08S-7	800A	STANDARD	600V
PWA-GDS-08S-8	800A	STANDARD	347/600V

**BLANKS INSTALLED FOR 2P2W, 2P3W, AND 3P3W APPLICATIONS

REVISION RECORD:

No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100
Henderson, NV 89044
(877)597-5785

1650 NW 18th St, Ste 807A
Pompano Beach, FL 33069
(866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-08S

BUILD NAME:

800A Standard Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

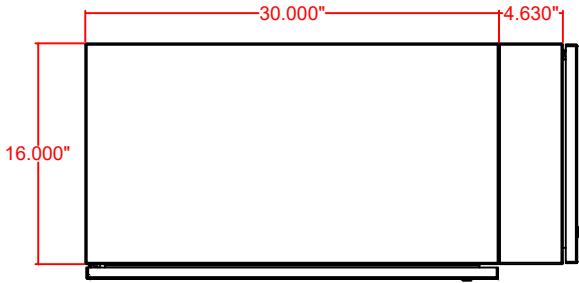
Drawing By

06/08/2022

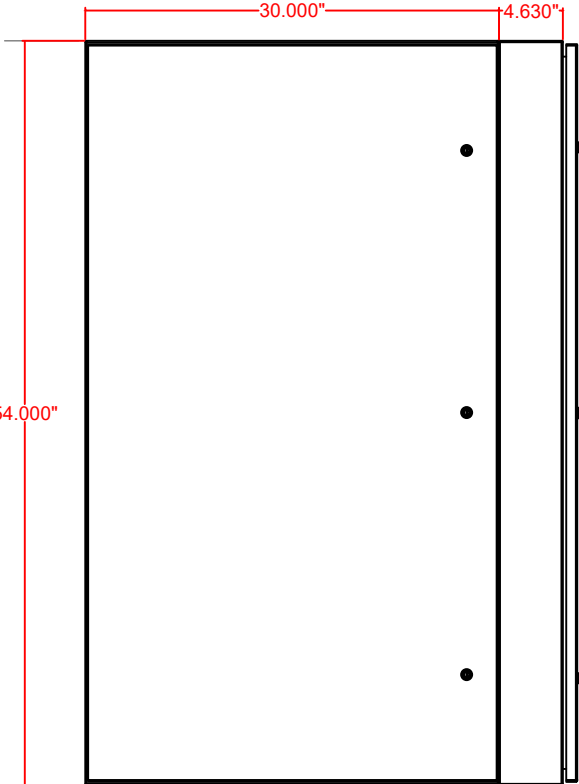
Date

1 OF 1

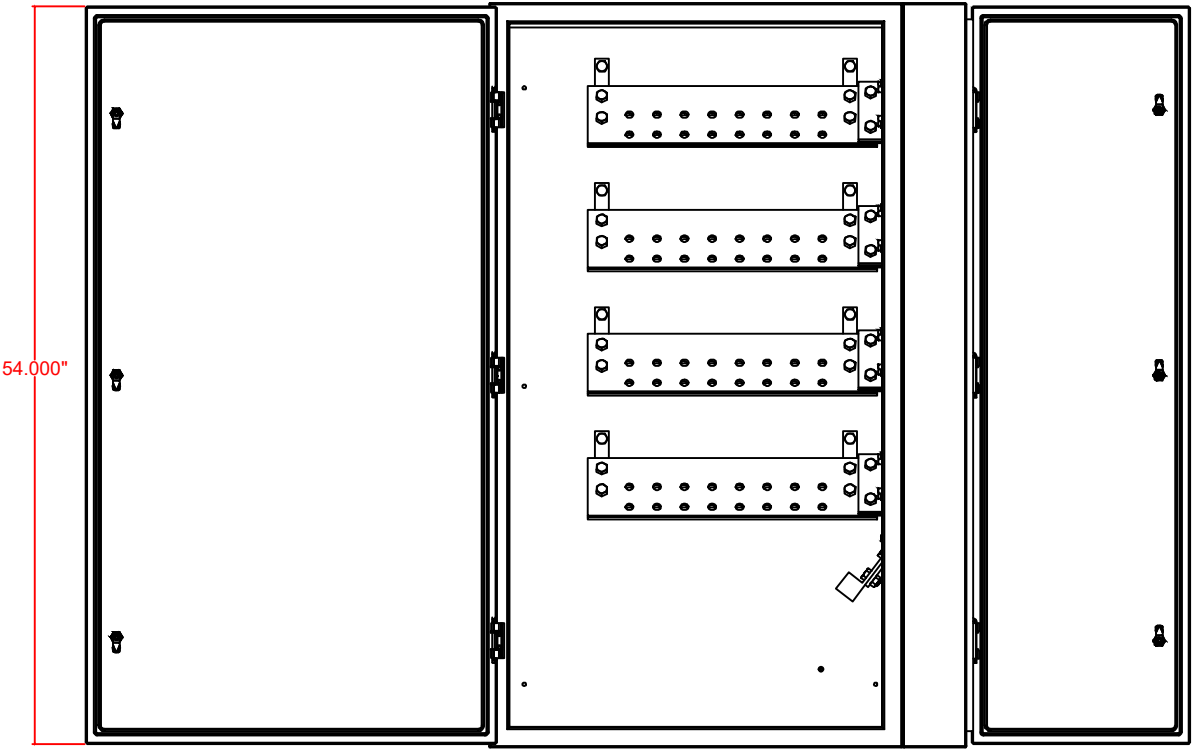
Sheet No.



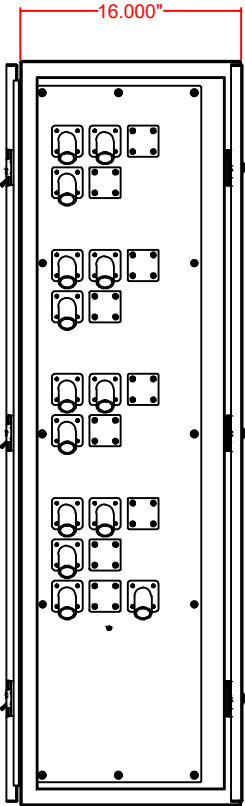
TOP VIEW



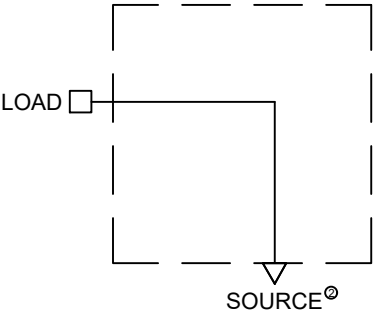
FRONT VIEW



INTERNAL
FRONT VIEW



SIDE VIEW



- ONE-LINE KEYNOTES®**
1. Fusible or Non-Fusible
 2. Cams to Source: S16 Male
 3. Cams to Load: S16 Female

LEGEND	
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)

LINE 1

LINE 2

LINE 3

NEUTRAL

GROUND

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-12L-1	1200A	LARGE	120V
PWA-GDS-12L-2	1200A	LARGE	120/240V
PWA-GDS-12L-3	1200A	LARGE	208V
PWA-GDS-12L-4	1200A	LARGE	120/208V
PWA-GDS-12L-5	1200A	LARGE	480V
PWA-GDS-12L-6	1200A	LARGE	277/480V
PWA-GDS-12L-7	1200A	LARGE	600V
PWA-GDS-12L-8	1200A	LARGE	347/600V

REVISION RECORD:			
No.	Date	Description	In.

PROFESSIONAL SEAL:



**POWER ASSEMBLIES
ENGINEERING**

915 E Dale Ave, #100
Henderson, NV 89044
(877)597-5785

1650 NW 18th St, Ste 807A
Pompano Beach, FL 33069
(866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-12L

BUILD NAME:

1200A Large Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

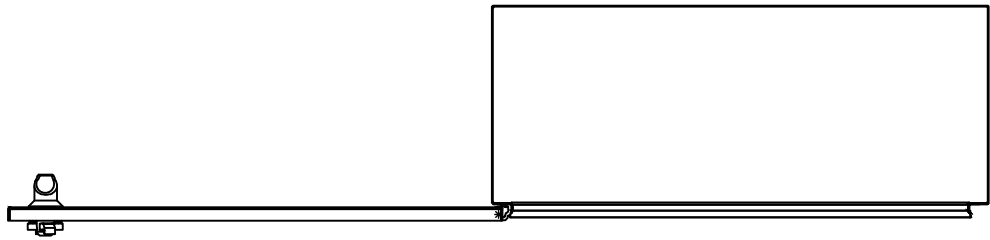
Drawing By

06/08/2022

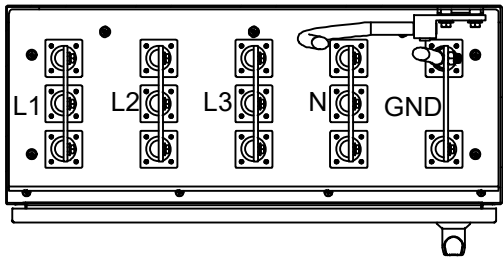
Date

1 OF 1

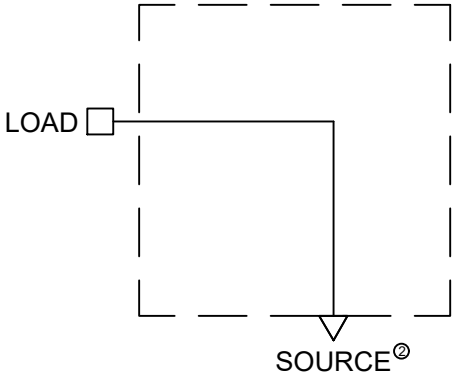
Sheet No.



TOP
VIEW



INTERNAL
TOP VIEW

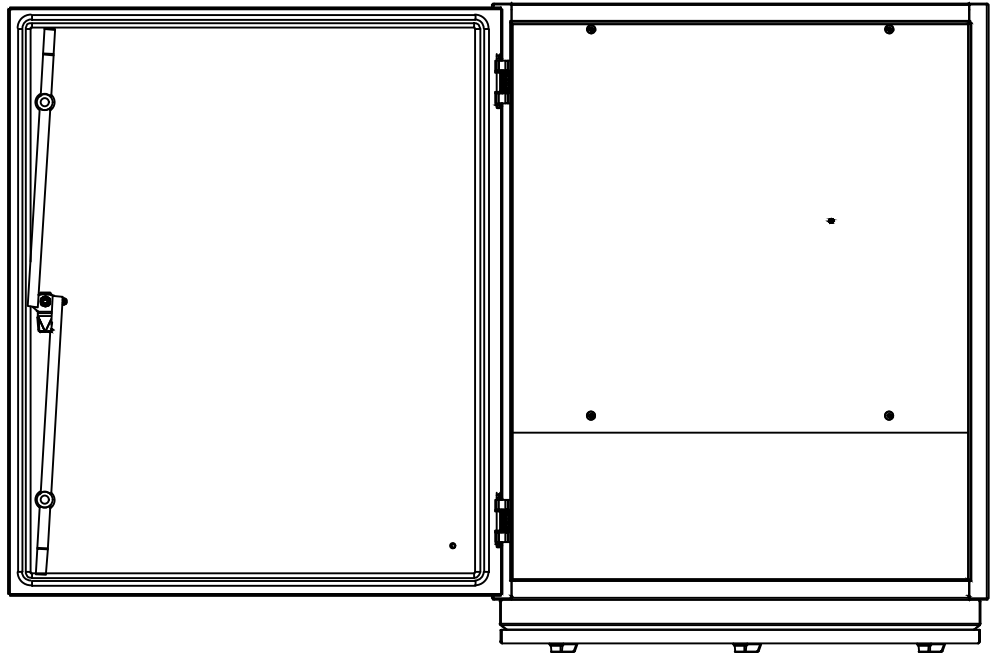


ONE-LINE KEYNOTES⁰⁰

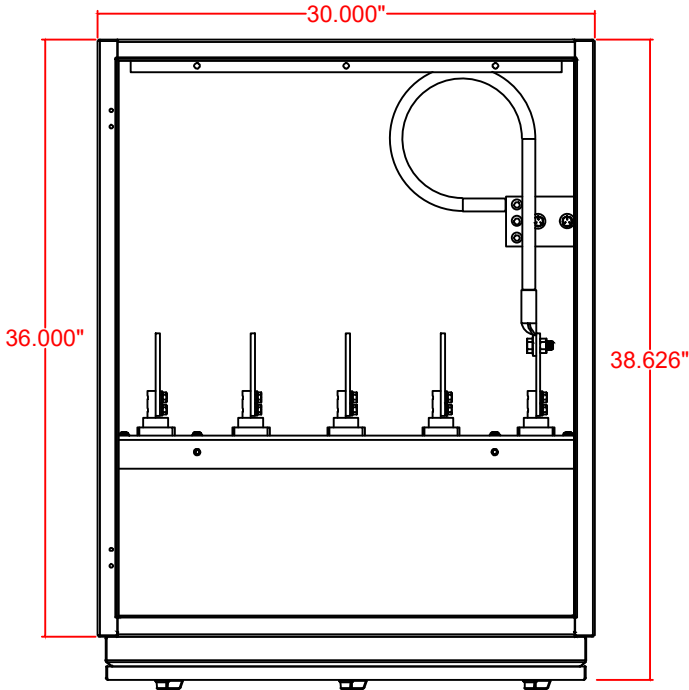
- 1. Fusible or Non-Fusible
- 2. Cams to Source: S16 Male
- 3. Cams to Load: S16 Female

LEGEND

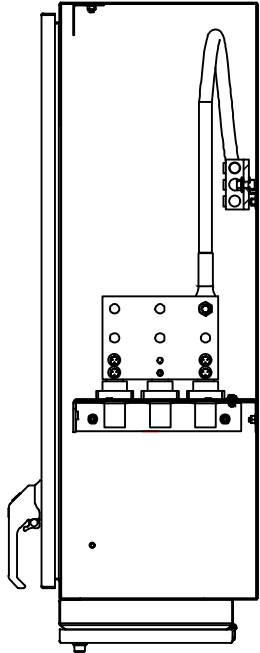
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)



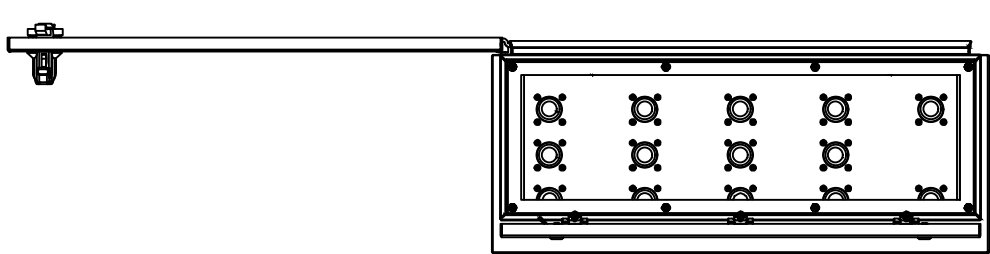
DEADFRONT
VIEW



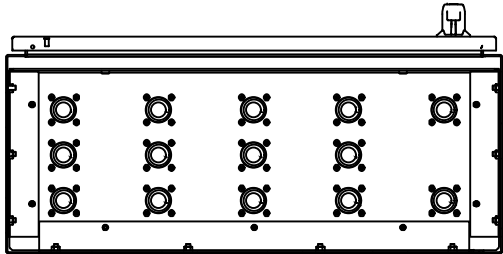
INTERNAL
FRONT VIEW



INTERNAL
SIDE VIEW



BOTTOM
VIEW



INTERNAL
BOTTOM VIEW

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-12S-1	1200A	STANDARD	120V
PWA-GDS-12S-2	1200A	STANDARD	120/240V
PWA-GDS-12S-3	1200A	STANDARD	208V
PWA-GDS-12S-4	1200A	STANDARD	120/208V
PWA-GDS-12S-5	1200A	STANDARD	480V
PWA-GDS-12S-6	1200A	STANDARD	277/480V
PWA-GDS-12S-7	1200A	STANDARD	600V
PWA-GDS-12S-8	1200A	STANDARD	347/600V

**BLANKS INSTALLED FOR 2P2W, 2P3W, AND 3P3W APPLICATIONS

REVISION RECORD:

No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100
Henderson, NV 89044
(877)597-5785

1650 NW 18th St, Ste 807A
Pompano Beach, FL 33069
(866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-12S

BUILD NAME:

1200A Standard Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

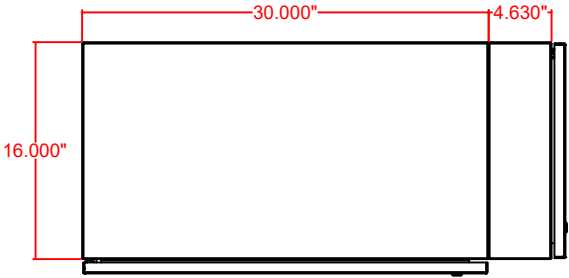
Drawing By

06/08/2022

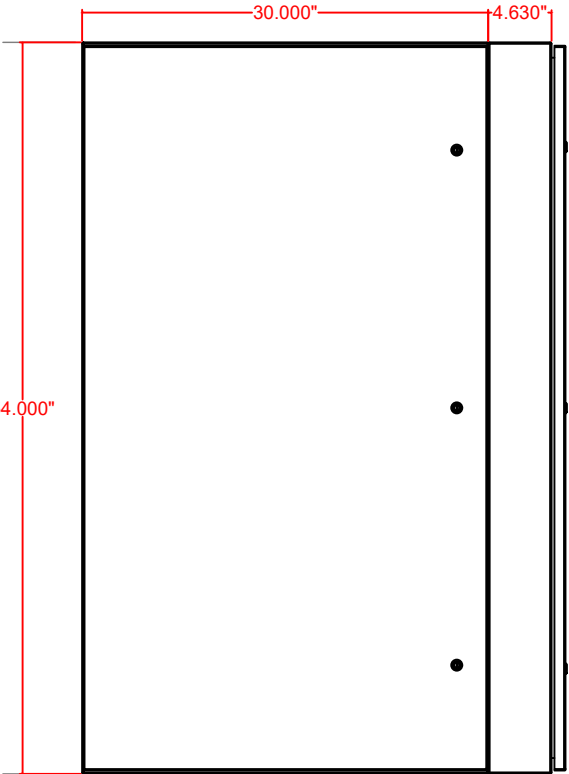
Date

1 OF 1

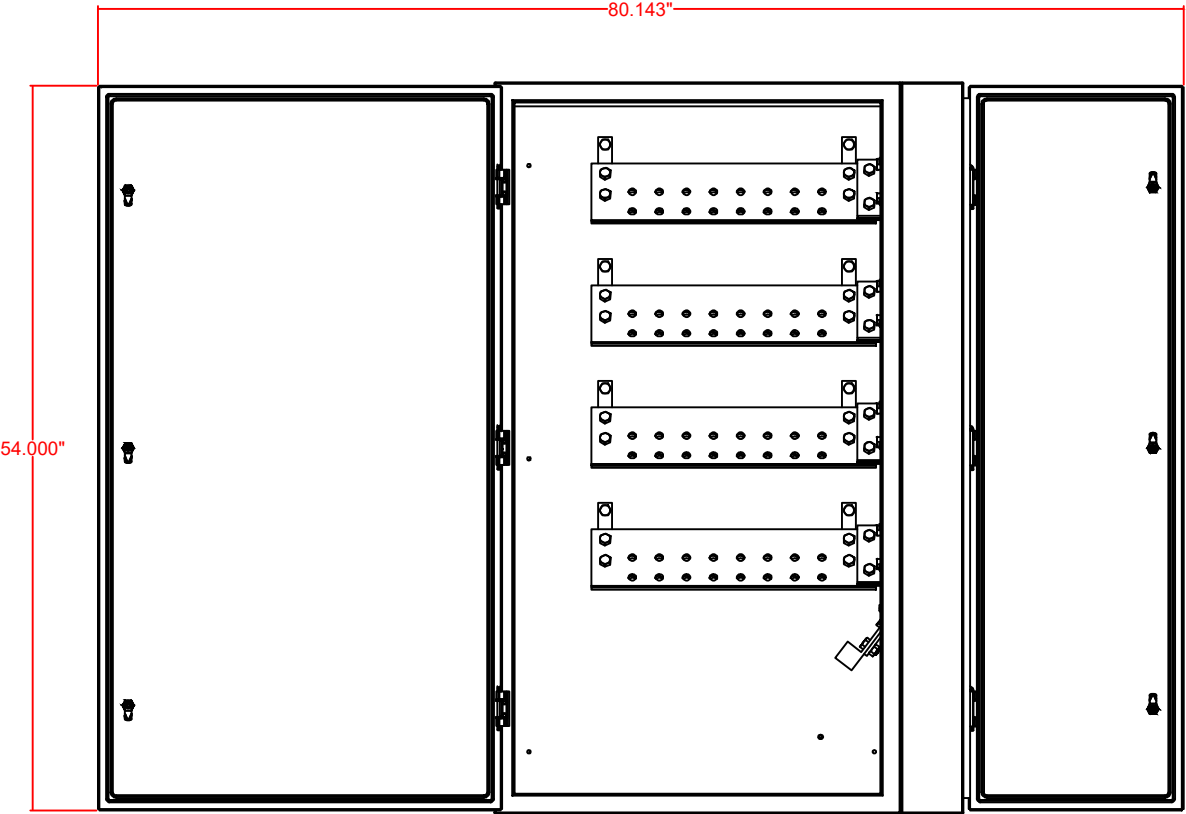
Sheet No.



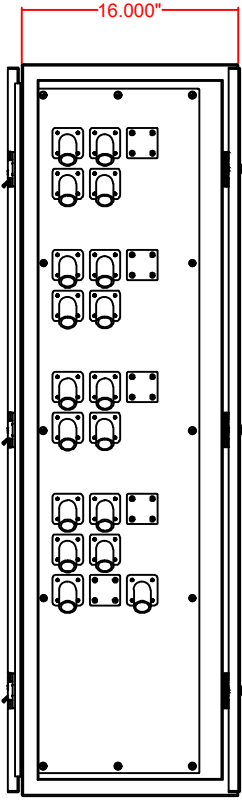
TOP VIEW



FRONT VIEW



FRONT VIEW



SIDE VIEW

LINE 1

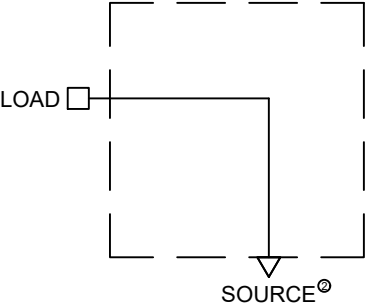
LINE 2

LINE 3

NEUTRAL

GROUND

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-16L-1	1600A	LARGE	120V
PWA-GDS-16L-2	1600A	LARGE	120/240V
PWA-GDS-16L-3	1600A	LARGE	208V
PWA-GDS-16L-4	1600A	LARGE	120/208V
PWA-GDS-16L-5	1600A	LARGE	480V
PWA-GDS-16L-6	1600A	LARGE	277/480V
PWA-GDS-16L-7	1600A	LARGE	600V
PWA-GDS-16L-8	1600A	LARGE	347/600V



- ONE-LINE KEYNOTES[®]
1. Fusible or Non-Fusible
 2. Cams to Source: S16 Male
 3. Cams to Load: S16 Female

LEGEND	
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)

REVISION RECORD:

No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100 Henderson, NV 89044 (877)597-5785
1650 NW 18th St, Ste 807A Pompano Beach, FL 33069 (866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-16L

BUILD NAME:

1600A Large Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC. ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED, TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

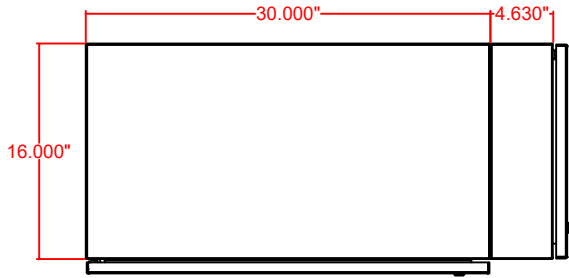
Drawing By

06/08/2022

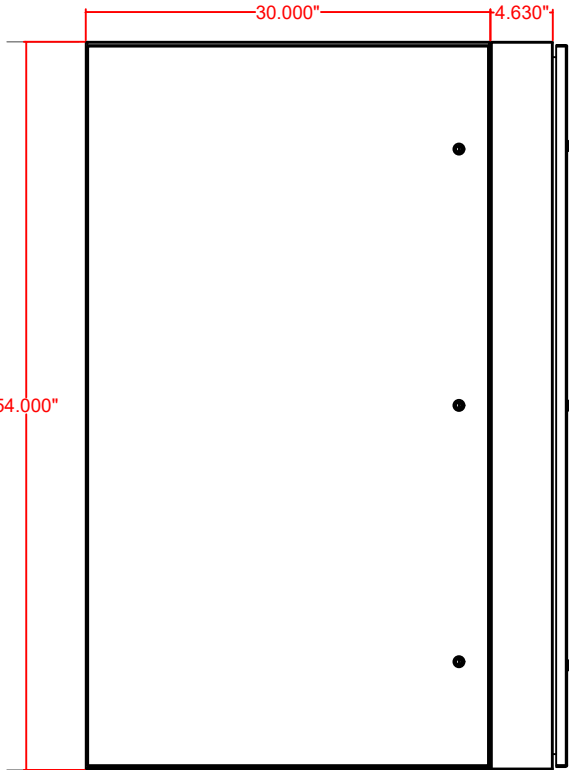
Date

1 OF 1

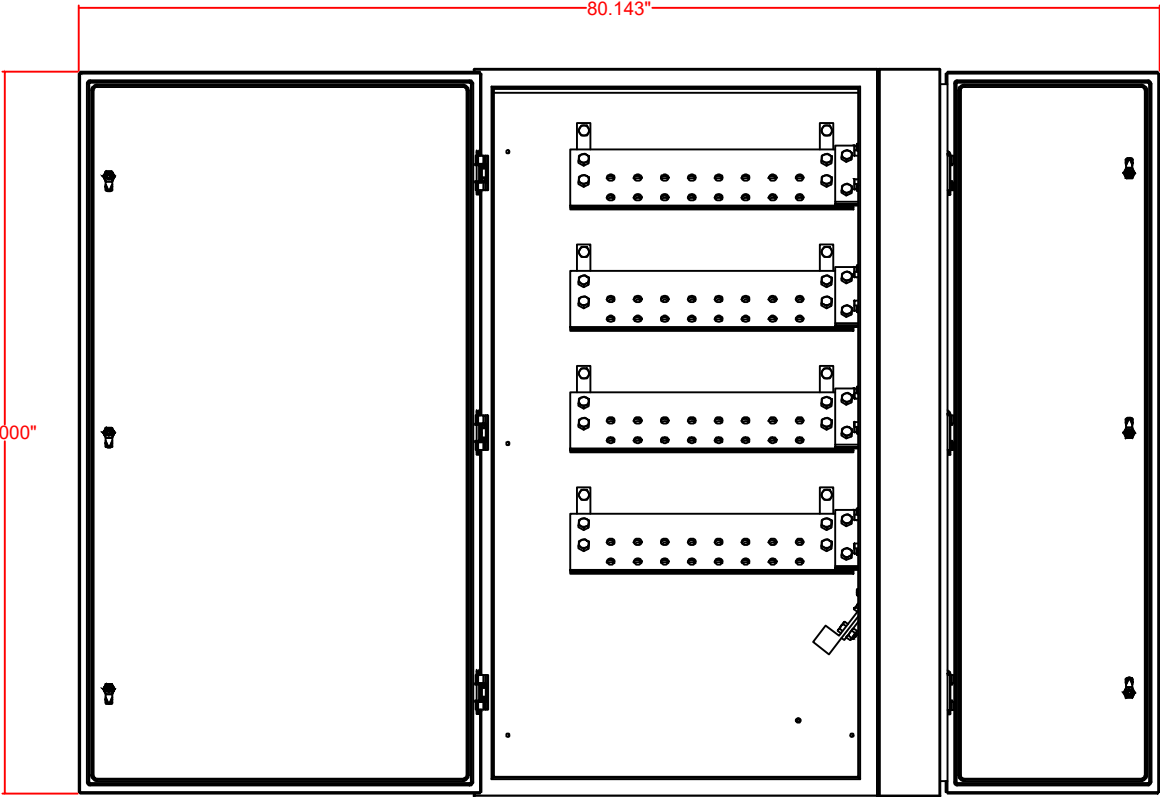
Sheet No.



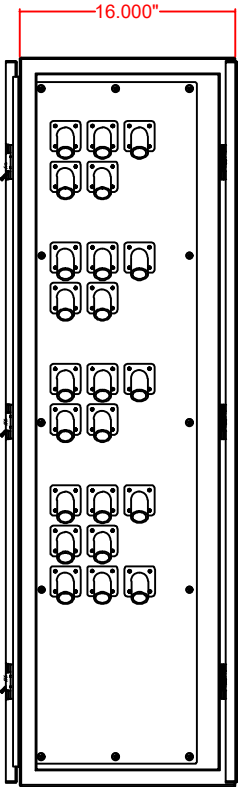
TOP VIEW



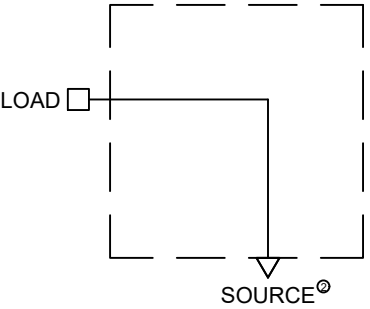
FRONT VIEW



FRONT VIEW



SIDE VIEW



- ONE-LINE KEYNOTES[®]
- 1. Fusible or Non-Fusible
 - 2. Cams to Source: S16 Male
 - 3. Cams to Load: S16 Female

LEGEND	
SYMBOL	DESCRIPTION
	SAFETY SWITCH
	MALE CAMLOCK CONNECTION
	FEMALE CAMLOCK CONNECTION
	HARDWIRED CABLE CONNECTION (FIELD-INSTALLED)

LINE 1

LINE 2

LINE 3

NEUTRAL

GROUND

PART NUMBER	AMPERAGE	SERIES	VOLTAGE
PWA-GDS-20L-1	2000A	LARGE	120V
PWA-GDS-20L-2	2000A	LARGE	120/240V
PWA-GDS-20L-3	2000A	LARGE	208V
PWA-GDS-20L-4	2000A	LARGE	120/208V
PWA-GDS-20L-5	2000A	LARGE	480V
PWA-GDS-20L-6	2000A	LARGE	277/480V
PWA-GDS-20L-7	2000A	LARGE	600V
PWA-GDS-20L-8	2000A	LARGE	347/600V

REVISION RECORD:			
No.	Date	Description	In.

PROFESSIONAL SEAL:



POWER ASSEMBLIES
ENGINEERING

915 E Dale Ave, #100 Henderson, NV 89044 (877)597-5785
1650 NW 18th St, Ste 807A Pompano Beach, FL 33069 (866)825-8525

sales@powerassemblies.com
WWW.POWERASSEMBLIES.COM

DRAWING TITLE:

PWA-GDS-20L

BUILD NAME:

2000A Large Generator Docking Station

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF POWER ASSEMBLIES, LLC.
ALL RIGHTS OF DESIGN FEATURES AND/OR INVENTIONS ARE RESERVED BY POWER ASSEMBLIES, LLC. THIS DRAWING MAY NOT BE REPRODUCED,
TRANSFERRED OR USED FOR DESIGN AND MANUFACTURING PURPOSES WITHOUT EXPRESSED CONSENT FROM POWER ASSEMBLIES, LLC.

REV A

Revision/Version No.

AS

Drawing By

06/08/2022

Date

1 OF 1

Sheet No.

SECTION 3

SPECIFICATIONS

GENERATOR DOCKING STATION



INNOVATIVE POWER SOLUTIONS



Power Assemblies, LLC
915 East Dale Ave. Ste 100
Henderson, NV 89044
www.powerassemblies.com

Generator Docking Station Specification Document

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Generator Docking Station Specifications

B. Related Sections:

1. Division 00 – Bidding Requirements
2. Division 01 – General Requirements
3. Section 26 00 00 – Electrical: Basic Requirements

1.2 QUALITY ASSURANCE

A. Referenced Standards:

1. Underwriters Laboratories, Inc.
 - a. UL 1008 Listed – Transfer Switch Equipment

1.3 QUALIFICATIONS

- A. Generator docking station manufacturer shall provide a complete factory assembled and tested Generator Docking Station.

1.4 SUBMITTALS

A. Shop Drawings

1. Product technical data:
 - a. Product dimensions with front and side elevation views
 - b. Enclosure type
 - c. Connection details and cable entry locations
 - d. Assembly ratings including amperage, voltage, and number of poles

1.5 WARRANTY

A. Factory Warranty

1. Generator Docking Station shall be covered by a manufacturer's warranty for a period of one (1) year from date of shipment from the manufacturer.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Power Assemblies LLC.
- B. No Substitutions

2.2 GENERATOR DOCKING STATIONS

A. GENERAL

1. Generator docking station is defined as CAM style male connectors and grounding terminals enclosed within a pad lockable enclosure.
2. In the event the Contractor is furnishing the Generator Docking Station, the Contractor shall be responsible for the equipment until it has been installed, inspected, tested and accepted in accordance with the requirements of the specifications.

B. CONSTRUCTION

1. All equipment shall be new.
2. Generator Docking Station enclosure shall be NEMA Type 4/12
 - a. Unit shall be constructed of 0.075" carbon steel, seamless, continuously welded, and ground smooth. Enclosures will have a flange trough collar around all sides of door opening(s).
 - b. Enclosures will have mounting holes in the back of the enclosure for wall mounting and mounting hardware with sealing washers and hole plugs shall be included.
 - c. Unit will have stainless steel concealed hinges with removable and interchangeable door(s) capability, padlocking handles, 3-point latching mechanisms on all forward-facing doors, removable print pocket, oil & water resistant gasketing and will include ground stud on door(s) and body for grounding.
 - d. Unit shall also include a hinged access panel for generator CAM type connector feeder cables.

- e. CAM type male connectors (inlets) shall be UL/CSA Listed single-pole and rated at 400 amps at 600VAC. CAM type male connectors shall be color coded to visualize appropriate voltages. CAM type male connectors shall be provided for each phase in the appropriate configuration to support required amperage and provided for neutral if required.
 - f. The ground CAM type male connectors shall be bonded to the enclosure and a sufficient grounding provided for the connection of the facility ground conductor. None of the CAM type inlets shall be accessible unless the hinged access panel door (M and S models) or the side enclosure (L models) is open.
- 3. ANSI-61 gray powder coating inside and out.
 - 4. Sub-panels may be powder coated white or bare aluminum.

C. ENCLOSURE

- 1. Mount: Wall Mount
- 2. Material: Carbon Steel
- 3. Finish: ANSI 61 Gray
- 4. Additional Requirements
 - a. NEMA Type 4/12
 - b. UL Listed/CSA Type 4 and 12
 - c. IEC 60529 IP 66