

# SHIPYARD POWER DISTRIBUTION



# 6-Gang GFCI Assembly

## 120VAC GFCI Distribution Box

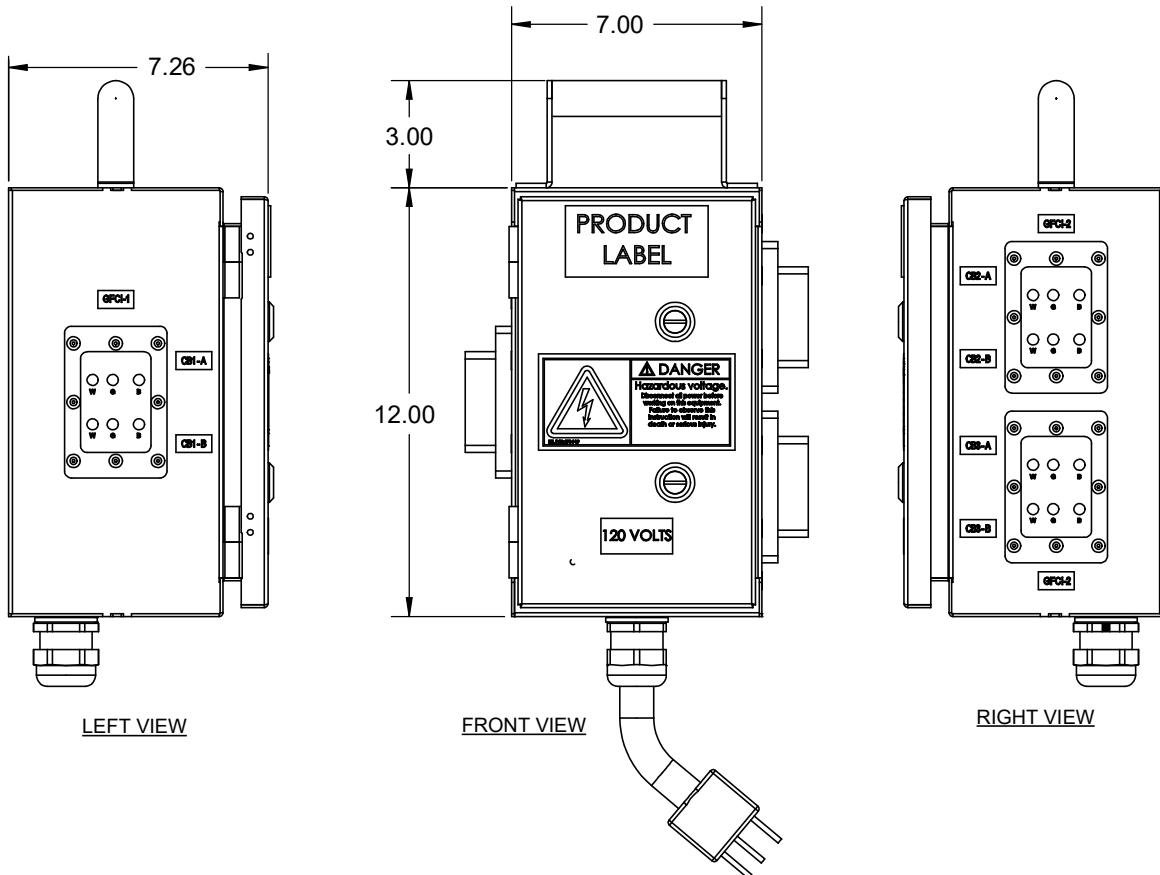
50A 120VAC  
Item No: 5100-160

The 120VAC GFCI Distribution Box is designed for the tough conditions of shipyards. This rugged and portable unit ensures superior durability and safety, making it an essential tool for powering 120V equipment. Typically fed by portable distribution load centers, it offers reliable performance in demanding environments.



### FEATURES:

- 50A, 120VAC, 1PH+N+G, 10kAIC
- Type 4X enclosure fabricated from 14GA 304 stainless steel, textured gray powder coating (RAL 7038)
- Factory wired complete with 30in of 50A power cord (Duraline 3M50)
- Equipped with (6) 1-pole 20A GFCI circuit breakers and (3) duplex outlet receptacles (Duraline 3R20D)
- Gasketed, hinged, latched cover for secure breaker access
- Convenient carry handle for easy portability
- NRTL factory labeled for safety and compliance



# Ungrounded Power 3-Gang Duplex Assembly

## 120VAC Ungrounded Distribution Box

50A 110VAC 3-Phase

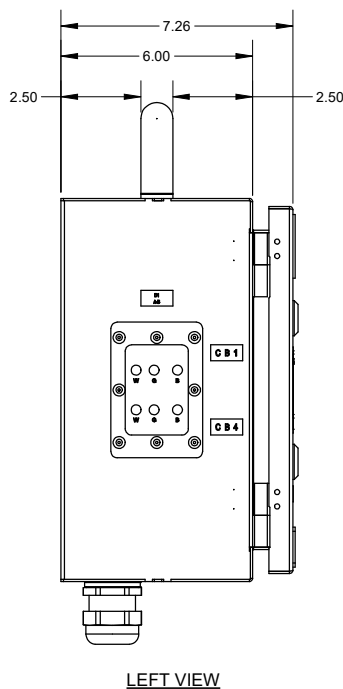
Item No: 5100-166

The 120VAC Ungrounded Distribution Box is built to withstand the demanding conditions of shipyards. Designed for reliability and versatility, this rugged unit is fed by 120VAC, 50A, 1PH power to efficiently distribute electricity to all 120VAC tools, lighting, and equipment. Its durable construction ensures dependable performance, making it an essential component of Navy Shipyard Power Distribution.

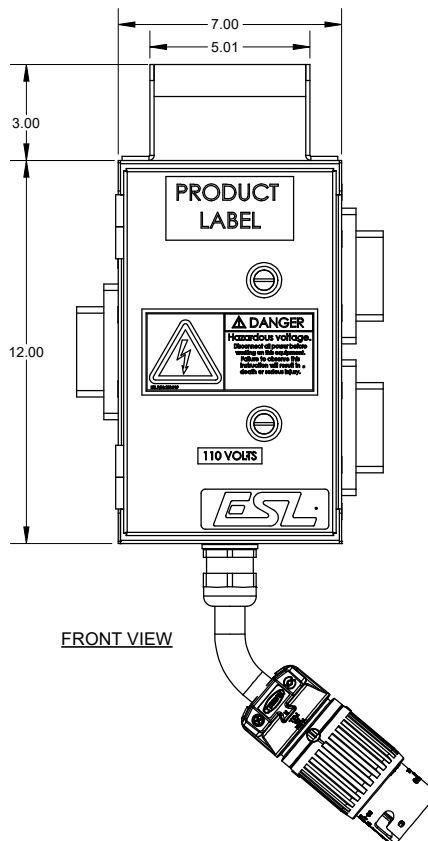


### FEATURES:

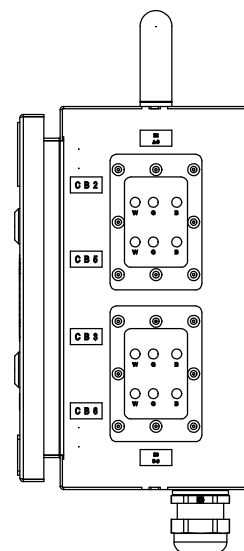
- 50A, 110VAC, 3-Phase, 10kAIC
- Type 4X enclosure fabricated from 14GA 304 stainless steel, powder-coated blue (90 gloss, T009-BL05)
- Factory wired complete with 30in of 50A power cord (Hubbell CS8365C)
- Equipped with (6) 2-pole 20A circuit breakers and (3) duplex outlet receptacles (Duraline 3R20D)
- Gasketed, hinged, latched cover for secure breaker access
- Convenient carry handle for portability
- NRTL factory labeled for safety and compliance



LEFT VIEW



FRONT VIEW



RIGHT VIEW

# Grounded Power 3-Gang Assembly

## 440VAC Distribution Box

50A 440VAC 3-Phase

Item No: 5100-167

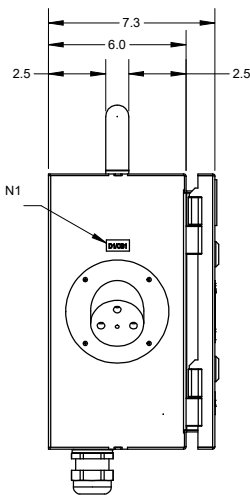
The 440VAC Distribution Box is designed to withstand the tough conditions of shipyards. Powered by 440VAC, 50A, 3PH, this unit efficiently supplies electricity to all 440VAC, 30A, 3PH machinery and equipment.

Engineered for reliability and longevity, it delivers consistent performance, ensuring smooth operation in demanding industrial settings.

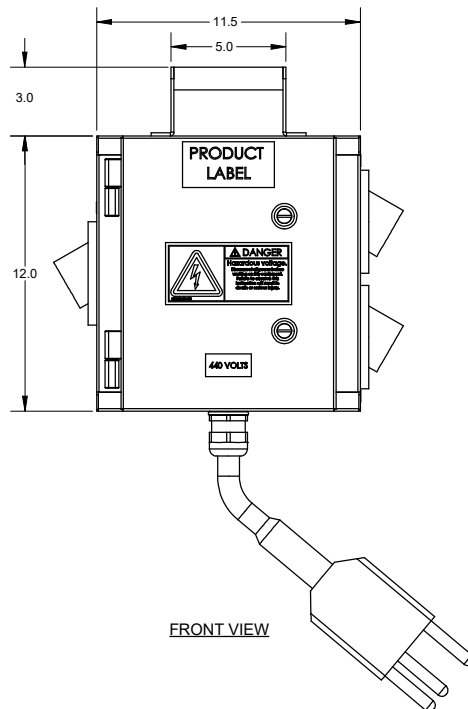


### FEATURES:

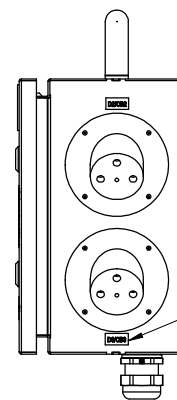
- 50A, 440VAC, 3-Phase, Ground, 10kAIC
- Type 4X enclosure fabricated from 14GA 316 stainless steel, textured gray powder coating (RAL 7038)
- Factory wired complete with 30in of 50A power cord (Duraline 4M50)
- Equipped with (3) 3-pole 30A circuit breakers and (3) outlet receptacles (Duraline 4FR20)
- Gasketed, hinged, latched cover for secure breaker access
- Convenient carry handle for easy portability
- NRTL factory labeled for safety and compliance



LEFT VIEW



FRONT VIEW



RIGHT VIEW

# 9-Gang Power Mound with Industrial and Communication Outlets

## Shore Power Distribution Unit

1600A 480VAC 3-Phase

Item No: 5200-02

The Shore Power Distribution Unit is designed to deliver reliable and efficient shore power for ships in port. Fed by 460VAC, 1600A, 3PH, this rugged unit features industrial and communication outlets to support critical operations.

Equipped with four sets of 690A/600V Duraline 1022 latching ball nose male inlet cams and five sets of matching output cams, it ensures seamless power distribution. With nine digital ammeter/voltmeter displays featuring RS-485 ports for both incoming and outgoing circuits, along with an external RS-485 serial port, this unit provides precise monitoring and control, making it an essential component of shore power infrastructure.



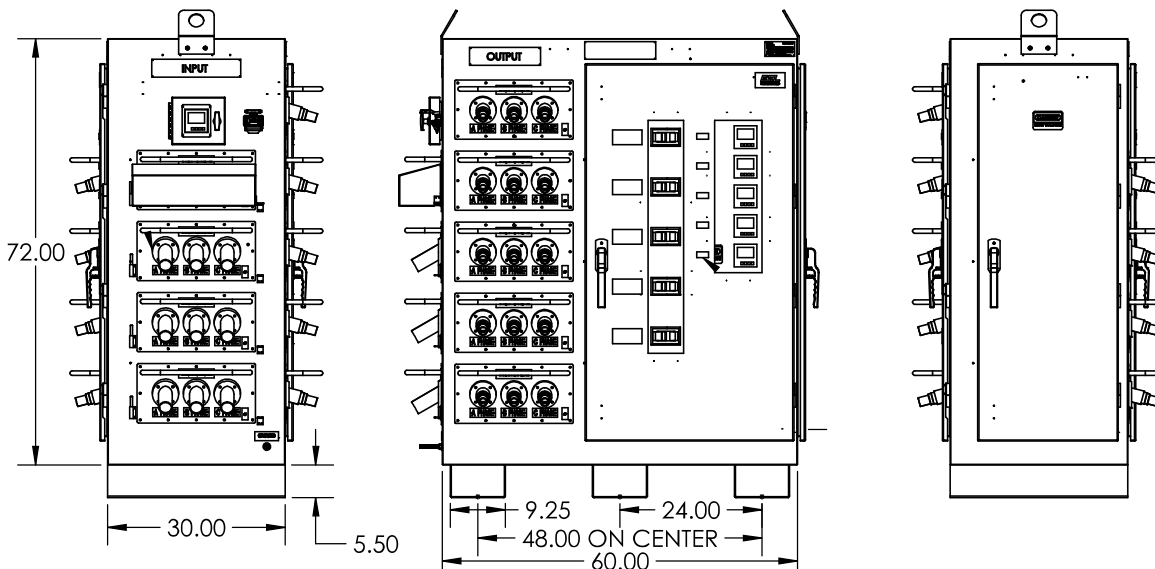
### FEATURES:

- 1600A, 480VAC, 3-Phase, 10kAIC
- Type 3RX fabricated from 12GA 316 stainless steel, powder-coated texture orange (Cardinal #OG01)
- Inputs: 4 sets of 690A/600V Duraline 1022 latching ball nose male inlet cams, color-coded (black, white, red) with (4) 600A, 35kAIC circuit breakers
- Outputs: 5 sets of 690A/600V Duraline 1022 latching ball nose male inlet cams, color-coded (black, white, red) with (5) 600AF/435AT, 35kAIC circuit breakers
- (9) Digital ammeter/voltmeter with RS-485 ports on both incoming and outgoing circuits and (1) RS485 external serial port
- NRTL factory labeled for safety and compliance

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW



# 1-Gang Industrial Power Unit

## 400A Breaker w/Buss Bars

400A 480VAC 3-Phase

Item No: 5200-109

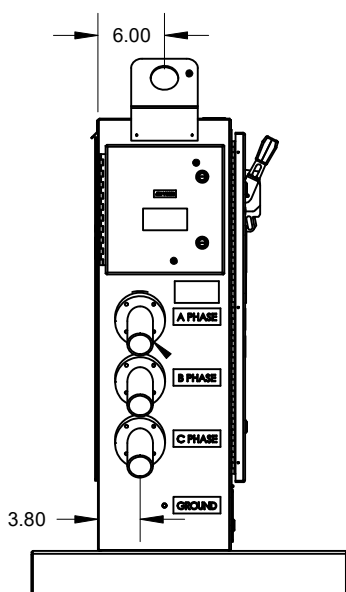
The 400A Breaker with Buss Bars is built for reliable power distribution in demanding industrial environments. Fed by 480VAC, 400A, 3PH, this robust unit efficiently powers 480VAC, 125-400A, 3PH equipment. Featuring an adjustable breaker that can be set down to 125A, it provides flexibility and protection for various applications.

Equipped with one set of 690A/600V Duraline 1022 latching ball nose male inlet cams, a 100% rated circuit breaker with silver-plated terminal pads, and banana plug test jacks, it ensures secure connections and reliable performance. A digital ammeter/voltmeter provides precise monitoring, ensuring optimal performance and dependable power distribution in demanding applications.

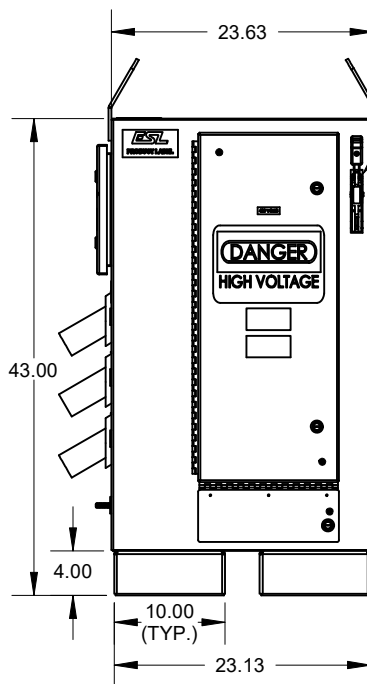


### FEATURES:

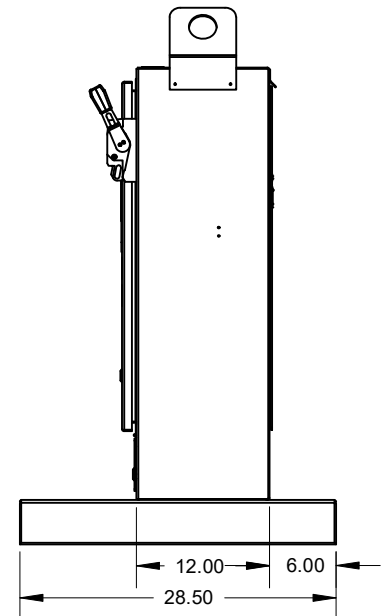
- 400A, 480VAC, 3-Phase, 10kAIC
- Type 3R fabricated from 12GA steel, powder-coated texture orange (Cardinal #OG01)
- 1 set of 690A/600V Duraline 1022 latching ball nose male inlet cams, color-coded (black, white, red)
- 400A 100% rated circuit breaker with silver-plated terminal pads & banana plug test jacks
- Digital ammeter/voltmeter
- Hinged, padlockable door with dead front for breaker access, lift-up door for cable exit
- NRTL factory labeled for safety and compliance



LEFT VIEW



FRONT VIEW



RIGHT VIEW

# 1-Gang Industrial Power Unit

## 800A Breaker w/Buss Bars

800A 480VAC 3-Phase

Item No: 5200-115-WES

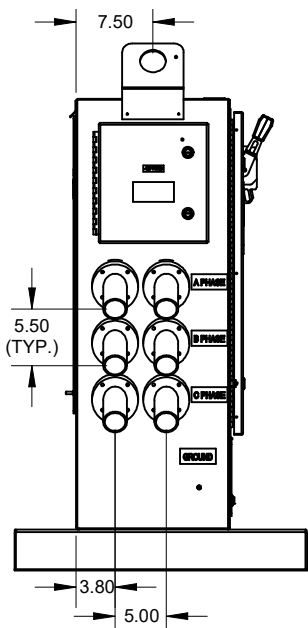
The 800A Breaker with Buss Bars is designed for high-capacity power distribution in industrial environments. Fed by 480VAC, 800A, 3PH, this rugged unit features two sets of 690A/600V Duraline 1022 latching ball nose male inlet cams for secure connections.

Equipped with a 100% rated circuit breaker, silver-plated terminal pads, and banana plug test jacks, it ensures reliable performance and easy testing. A digital ammeter/voltmeter provides precise monitoring, making this unit an essential solution for safe and efficient industrial power management.

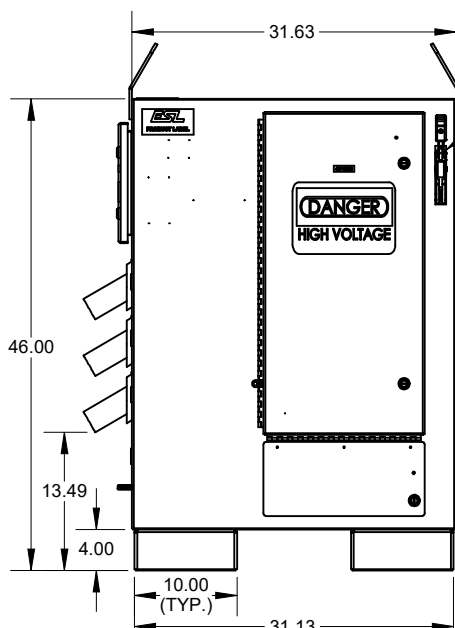


### FEATURES:

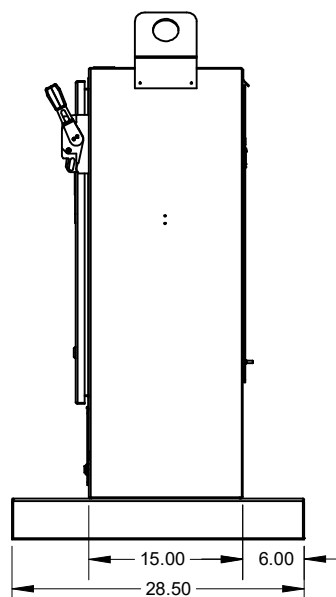
- 800A, 480VAC, 3-Phase, 10kAIC
- Type 3R fabricated from 12GA steel, powder-coated texture orange(Cardinal #OG01)
- 2 set of 690A/600V Duraline 1022 latching ball nose male inlet cams, color-coded (black, white, red)
- 800A 100% rated circuit breaker with silver-plated terminal pads & banana plug test jacks
- Digital ammeter/voltmeter
- Hinged, padlockable door with dead front for breaker access, lift-up door for cable exit
- NRTL factory labeled for safety and compliance



LEFT VIEW



FRONT VIEW



RIGHT VIEW

# Isolation Transformer

600A, 480VAC, 3-Phase

Item No: 6100-51A-WES

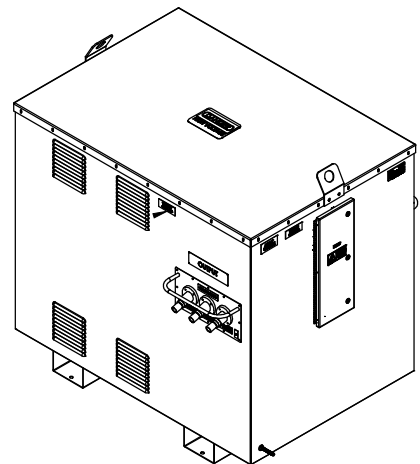
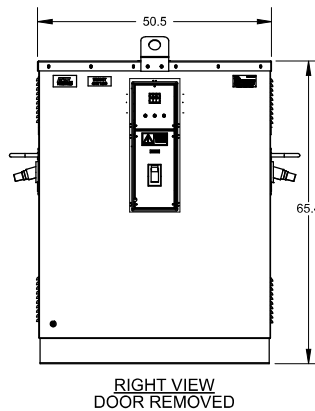
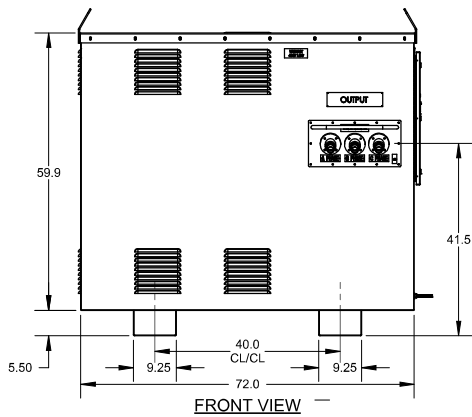
The 600A Isolation Transformer is designed to provide reliable power conversion and electrical isolation in demanding environments. Fed by 480VAC, 400A, 3PH ungrounded power, this unit converts ungrounded power to grounded power, ensuring a stable and secure electrical system.

By isolating equipment from the source, it prevents noise, ground faults, and voltage spikes from affecting operations. Built for durability and performance, it delivers clean and consistent power for 480VAC, 400A, 3PH equipment, designed for safe and efficient power distribution.



## FEATURES:

- 600A, 480VAC, 3-Phase, 3-Wire, 65kAIC
- Isolation transformer: ungrounded to grounded power
- Type 3RX fabricated from 12GA 304 stainless steel, powder-coated texture orange (Cardinal #OG01)
- (1) Set of 690A/600V Duraline 1022 latching ball nose male inlet cams, color-coded (black, white, red)
- (1) Set of 690A/600V Duraline 1022 latching ball nose female inlet cams, color-coded (black, white, red)
- Set of banana test jacks with fuse protection
- NRTL factory labeled for safety and compliance





# Load Center with Ungrounded Transformer

## Ungrounded Load Center

INPUT: 50A 480VAC 60Hz

OUTPUT: 200A 120VAC 60Hz

Item No: 6100-52

The Ungrounded Load Center is engineered for reliable power distribution. With an input of 50A, 480VAC, 60Hz, this rugged unit efficiently converts power to output 200A, 120VAC, 60Hz.

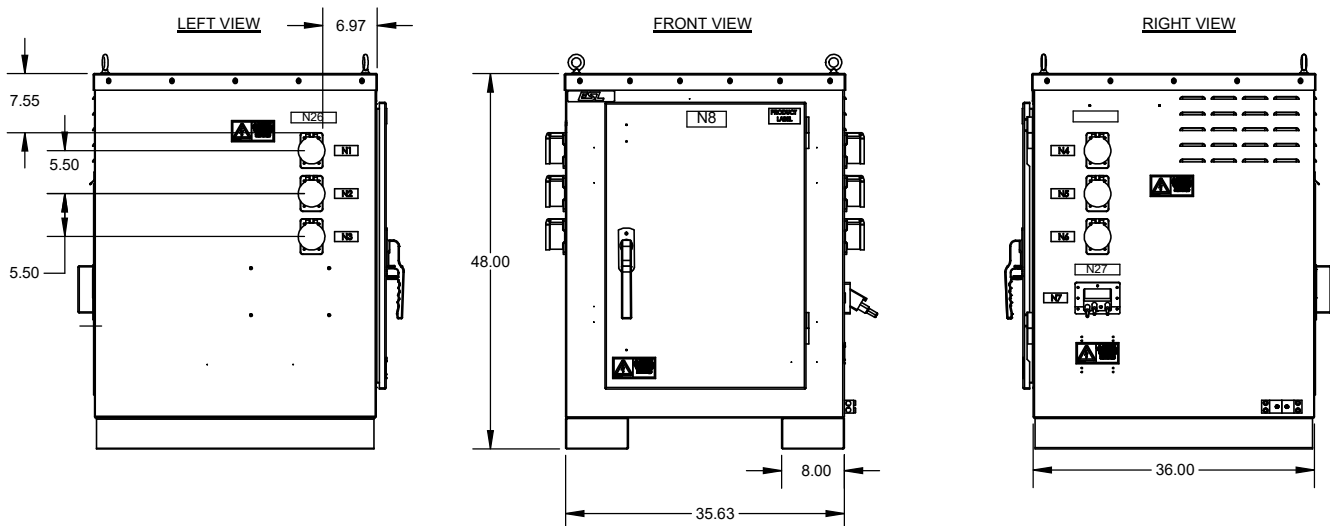
Designed to connect to a 120VAC ungrounded distribution box fed by 480VAC, 50A, 3PH, it powers six 120VAC, 50A, 3PH ungrounded circuits. Featuring ground fault protection relay monitoring on each outlet, it ensures enhanced safety and system reliability.



*\*Image is a rendering*

### FEATURES:

- 50A, 480VAC, 3-Phase, 3-Wire, 10kAIC
- Ungrounded distribution load center
- Type 3RX fabricated from 12GA 304 stainless steel, powder-coated texture gray (RAL 7035)
- (1) Male inlet receptacle (Duraline 4MR60)
- (6) 50A Hubbell CS8369 outlet receptacles
- 30KVA transformer 480D:120D with primary and secondary protection
- Ground fault protection relay monitoring each outlet
- NRTL factory labeled for safety and compliance



# Portable Load Center

## 400A Load Center

400A 480VAC 3-Phase

Item No: 6100-53

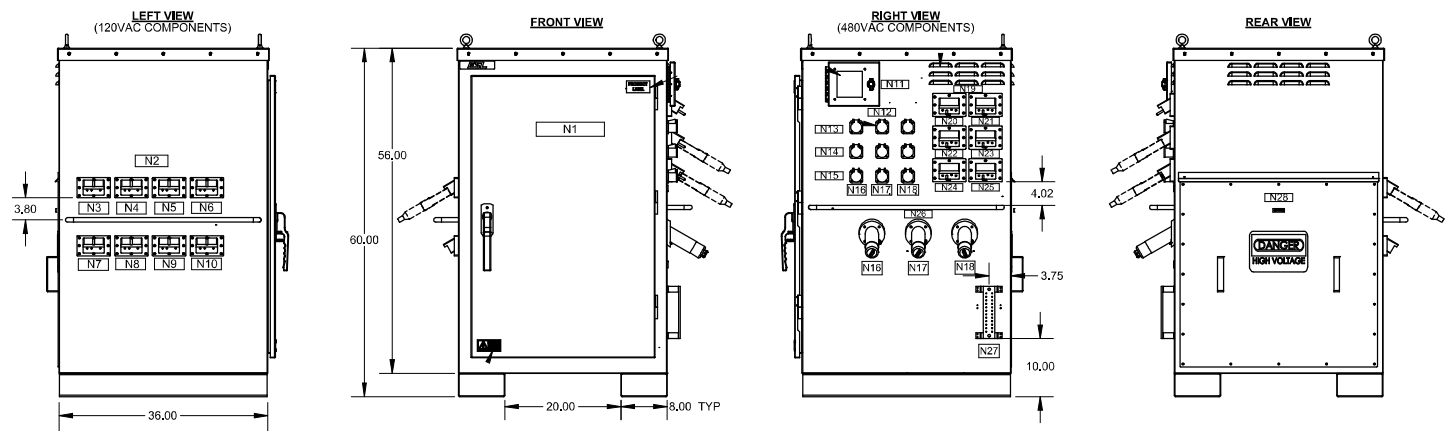
The 400A Load Center is designed for power distribution in harsh environments. Fed by 480VAC, 400A, 3PH, this versatile unit connects to both a 460VAC Distribution Box and a 120VAC GFCI Distribution Box. It reliably powers 480VAC, 200A/50A/30A, 3PH equipment as well as 120VAC devices.

Built for durability and performance, it provides seamless operation and dependable power management across multiple applications.



### FEATURES:

- 400A, 480VAC, 3-Phase, 3-Wire, 10kAIC
- Distribution load center
- Type 3RX fabricated from 12GA 304 stainless steel, powder-coated texture orange (Cardinal #OG01, 90% gloss)
- (1) Set of 690A/600V Duraline male inlet cams (black, white, red) with weather caps and 400A circuit breaker for protection
- Outputs: (3) 400A/600V single pole 16 series cams with weather caps, (6) 60A/480V Duraline receptacles (4FR60) with weather caps, (8) 50A/120V Duraline receptacles (3FR50) with weather caps
- 45KVA transformer 480D:208Y/120 with primary and secondary protection
- Automatic fault location for ungrounded & grounded 480VAC branch circuits
- Digital ammeter/voltmeter
- Set of banana test jacks with fuse protection
- NRTL factory labeled for safety and compliance



# Portable Distribution Load Center

## 200A Load Center

200A 480VAC 3-Phase

Item No: 6100-54

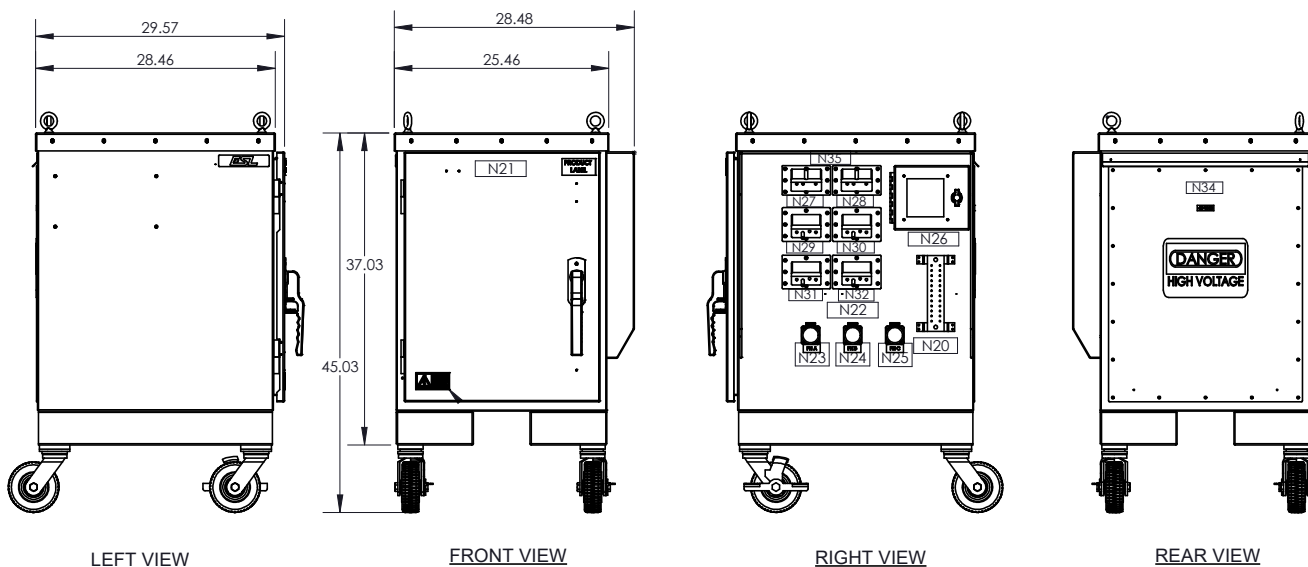
The 200A Portable Distribution Load Center is built for rugged performance in demanding environments. Constructed from durable 12-gauge 304 stainless steel, it is designed to withstand harsh conditions.

Fed by 480VAC, 200A, 3PH, this versatile unit seamlessly connects to both a 480VAC Distribution Box and a 120VAC GFCI Distribution Box. It efficiently powers 460VAC, 50A/30A, 3PH equipment, as well as 120VAC devices, promising reliable and consistent power distribution.



### FEATURES:

- 200A, 480VAC, 3-Phase, 3-Wire, 10kAIC
- Distribution load center
- Type 3RX fabricated from 12GA 304 stainless steel, powder-coated texture orange (Cardinal #OG01, 90% gloss)
- (1) Set of 690A/600V Duraline male inlet cams (black, white, red) with weather caps and 400A circuit breaker for protection
- Outputs: (4) 60A/480V Duraline receptacles (4FR60) with weather caps (2) 50A/120V Duraline receptacles (3FR50) with weather caps
- 15KVA transformer 480D:120/240 with primary and secondary protection
- Digital ammeter/voltmeter
- Set of banana test jacks with fuse protection
- NRTL factory labeled for safety and compliance



# ReadyConnect Automatic Transfer Switch

## Automatic Transfer Switch

100A 480VAC 3-Phase

Item No: 3204-007

ESL's ReadyConnect enables proactive backup power connection before planned outages, eliminating the need for on-site personnel to manually switch power sources. This Automatic Transfer Switch (ATS) ensures seamless power transfer for critical applications.

Designed for reliability, the unit is powered by a primary 480VAC, 100A, 3-phase facility power source and backed by a 70kW, 480VAC diesel generator as an alternate source. It features remote start/stop functionality for the generator, a built-in phase rotation monitor, and two sets of Series 16 male Cam-style receptacles with flip covers for secure connections.

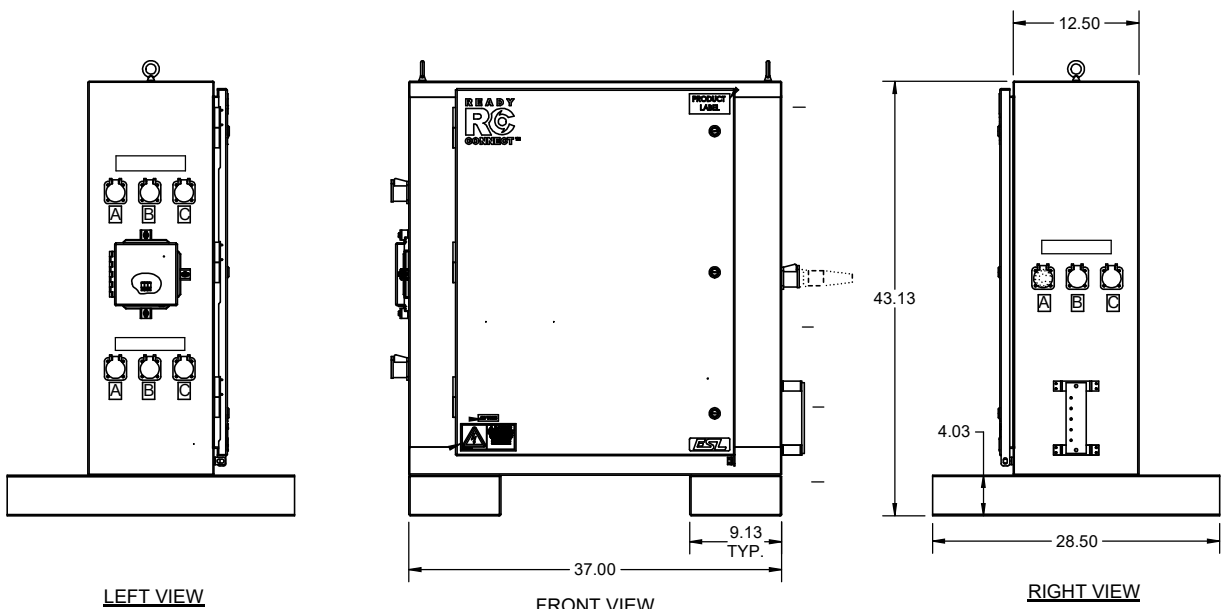
This ATS supports essential systems such as fire alarm systems, heat and smoke detection, emergency lighting, and firefighting booster pumps. Engineered for safety and performance, it delivers uninterrupted power continuity in emergency situations.



*\*Image is a rendering*

### FEATURES:

- 100A, 480VAC MAX, 30kAIC, 3PH, 3W
- Type 3RX enclosure built to 4X standards, UL 50
- 12GA 316 stainless steel, powder-coated safety orange
- 3-pole automatic transfer switch
- Dual sets of safety-interlocked male cam-style receptacles with flip covers for both primary and portable inputs
- Female cam-style receptacles with flip covers for outgoing power
- External ground bus
- Mobile floor mount with fork pockets and lifting eyes
- Padlockable dead front door for secure access



# Portable Connection Box

## 4000A 480VAC 3-Phase

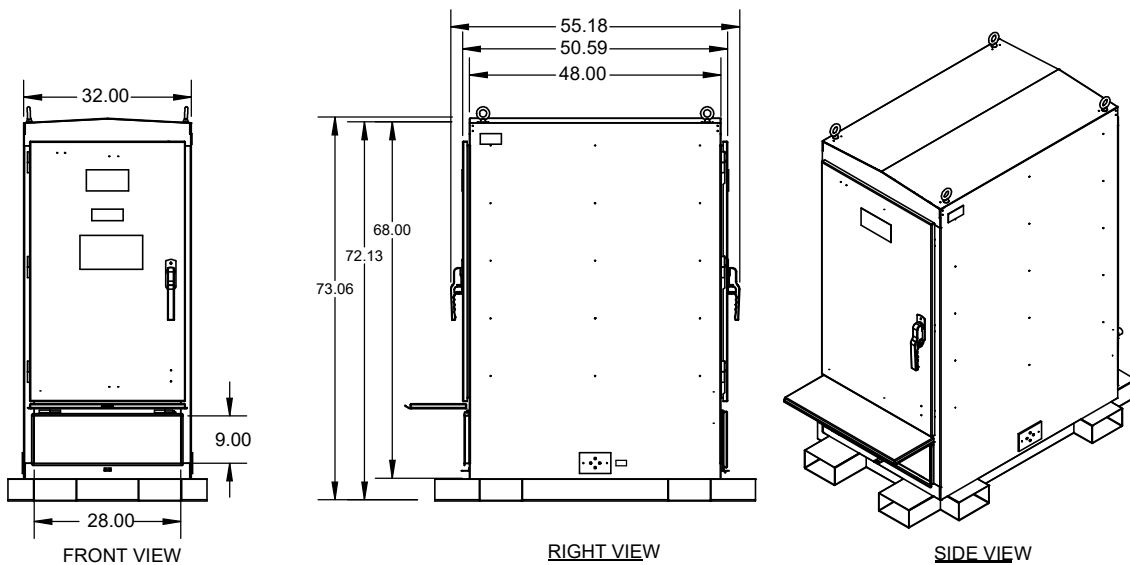
Item No: 5101-54-US

ESL's shore power connection boxes allow customers the flexibility to power vessels from different sources (i.e. utility grid or generators) or to temporarily configure an existing shore power system to energize non-typical ships.



### FEATURES:

- 4000A, 480VAC, 3-Phase, 135kA withstand
- Type 3R fabricated from 12GA domestic steel, powder coated texture gray (RAL 7038)
- (3) Sets of 4000A copper buss bars, with holes for (10) compression lugs (lugs supplied by others)
- Hinged front & rear doors with lower hinged covers for cable entry and exit
- Base with fork pockets & lifting eyes
- NRTL factory labeled for safety and compliance



# Portable Connection Boxes with Circuit Breaker

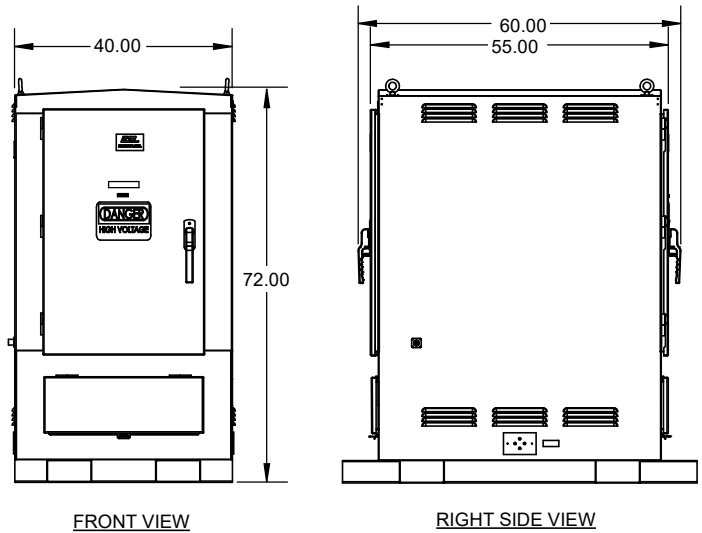
4000A 480VAC 3-Phase

Item No: 5201-119-US



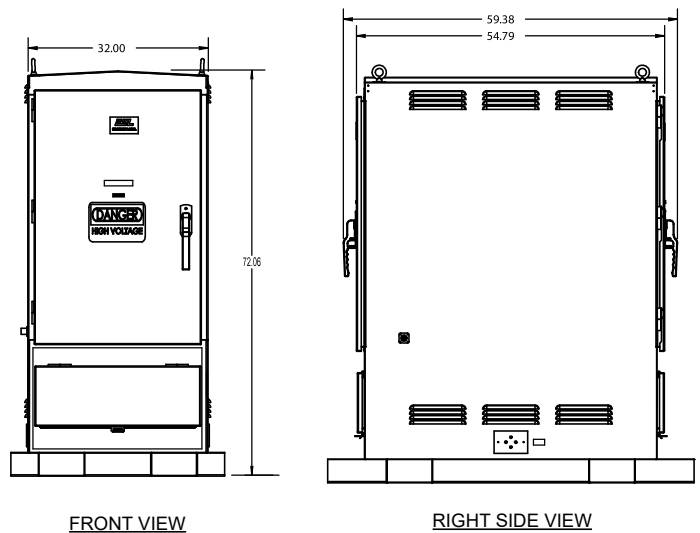
## FEATURES:

- Type 3RX fabricated from 12GA 304 domestic stainless steel, powder coated texture Gray (RAL 7038)
- 100% circuit breaker (100kA@480 VAC)
- Copper buss bar, with holes for (10) compression lugs (lugs supplied by others) for line and load side
- Amphenol ZREP-12-310-SN-01 (wired to breaker shunt trip)
- Hinged front & rear doors with lower hinged covers for cable entry and exit
- Base with fork pockets & lifting eyes
- NRTL factory labeled for safety and compliance



2000A 480VAC 3-Phase

Item No: 5201-43-US



# Portable Power Distribution

## 1600A 480VAC 3-Phase

Item No: 5200-01B

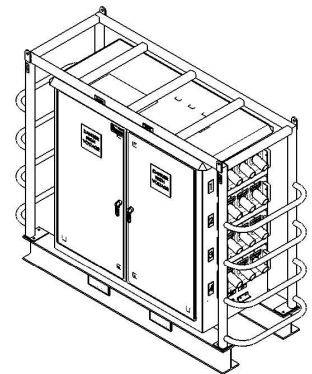
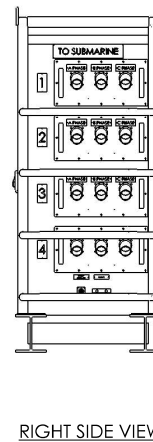
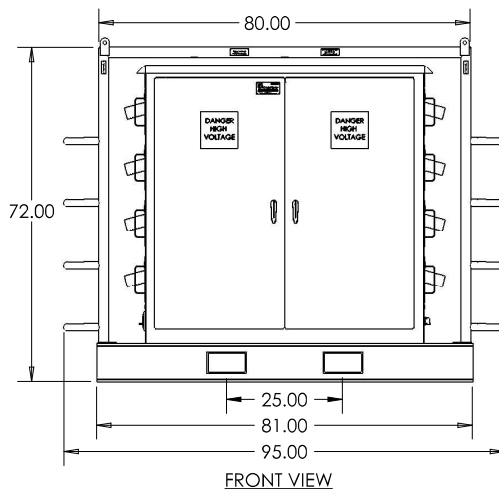
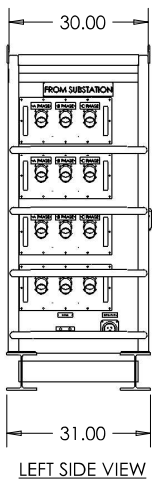
The 1600A Portable Power Distribution unit is built for high-capacity power delivery in demanding maritime environments. Fed by 480VAC, 3-phase power, this rugged system efficiently supplies electricity to ships, submarines, and surface vessels.

Designed for durability, it features a Rhino-coated I-beam frame with integrated fork pockets and a bolt-on protective cage for enhanced mobility and protection. Engineered for reliable performance, it ensures seamless power distribution in critical naval operations.



### FEATURES:

- 1600A, 480VAC, 3-Phase, 10kAIC
- Type 3RX fabricated from 304 stainless steel, powder coated gray (IEEE C57.12.29 compliant)
- Rhino-coated I-Beam with fork pockets & bolt-on protective cage (2x2 stainless steel tubing)
- (4) Incoming & (4) Outgoing 690A/600V Single Pole Connectors
- 2000A rated common bus with (4) 600A 100% rated circuit breakers (100kAIC)
- Ship trip lockout relay, surge protector, thermostat & strip heater, control power switch, indicating lights
- NRTL factory labeled for safety and compliance



Connection Boxes • Distribution Load Centers • Transformers • Sub Hook Ups

# SHIPYARD POWER DISTRIBUTION



**ESL**  
*Electrifying a Sustainable Future*

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