Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-SS-500D-150KVA-4XTB-18X220V.16A-15X24V.16A-IND

150 KVA Power Distribution - 500V-380Y/220V 3P - (18) 220V (15) 24V Receptacles - Stainless Steel

Product ID: 148635

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

This unit is Made In USA - Manufactured in Texas

MPD-SS-500D-150KVA-4XTB-18X220V.16A-15X24V.16A-IND Power Transformer

Line-In Cord: -
Line-In Cord Cap: -
Primary Voltage: 500V 3PH
Primary Disconnect: 600V 225A CB Disconnect N3R
Primary Panel: -
Primary Breakers: -
Primary Receptacles: -
Primary Protection: Disconnect Switch
Transformer: 150 KVA 500V to 380Y/220V 3PH N3R
Secondary Voltages: 380Y/220V, 24V
Secondary Panels: 380Y/220V 227.9A MLO N3R, 24V 100A MLO N3R
Secondary Breakers: (2) 60A, (45) 15A
Secondary Receptacles: - (18) Pin/Sleeve [220V], (15) Pin/Sleeve [24V]
Secondary Protection: Weatherproof Covers
Form Factor: Square tube frame, skid pockets, top pick eye & locking 8” locking casters, canopy
Frame Materials: Powder coated steel frame
Dimensions: 34” X 44” X 58”
Weight: 600 pounds

Larson Electronics manufacture a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Max OCP Primary: 225A @ 600V
Max OCP Secondary: 100A @ 220V
UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor / Outdoor Use
Made in the USA
Stainless Steel Panels
Indicator Lights for Phase Status

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-SS-500D-150KVA-4XTB-18X220V.16A-15X24V.16A-IND power distribution substation converts 500V AC three phase electrical current into three phase 380Y/220V AC. This unit provides operators the ability to safely tap into and distribute 500V AC power from a variety of sources including generators and direct grid power.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Portable Power Distribution Purpose and Use

The MPD-SS-500D-150KVA-4XTB-18X220V.16A-15X24V.16A-IND portable power distribution system gives operators the ability to power their 220 volt and 24 volt equipment from a single system. On the primary side, operators connect 500 volt line-in power via a customer provided cord. On the secondary side, operators connect to eighteen 220V pin/sleeve receptacles for their 220V equipment and to fifteen 24V pin/sleeve receptacles for 24V equipment.

Operation: A customer provided cord brings in 500V power to the NEMA 3R 225-amp, 600V primary circuit breaker disconnect and passes the current to the transformer. The NEMA 3R 150 KVA transformer converts 500V three phase power to 380Y/220V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 227.9-amp rated 380Y/220V MLO panel. This secondary panel contains two 60-amp and thirty 15-amp breakers, as well as four terminal blocks for 380V (two sets per box, two boxes) and indicator lights to display the status of phases during operation, and passes the current to a 24V single phase 100-amp rated MLO panel on the secondary side. This secondary MLO panel contains fifteen 15-amp breakers protecting eighteen 220V pin/sleeve receptacles and fifteen 24V pin/sleeve receptacles. All receptacles are equipped with weatherproof covers.

Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load assembly is mounted on a 3/16" thick carbon steel mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" x 1/8" square carbon steel tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. All panels are constructed of stainless steel. The power distribution unit is protected by a sturdy canopy.

This model is equipped with forklift skid pockets, locking casters, and a top located lifting eyelet which allows easy lifting with cable or chain hooks. This can be replaced for an additional cost with stainless steel, hot dip galvanized steel, or aluminum depending on the customer's needs. Larger units are available upon request and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.

Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.

Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we

carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)



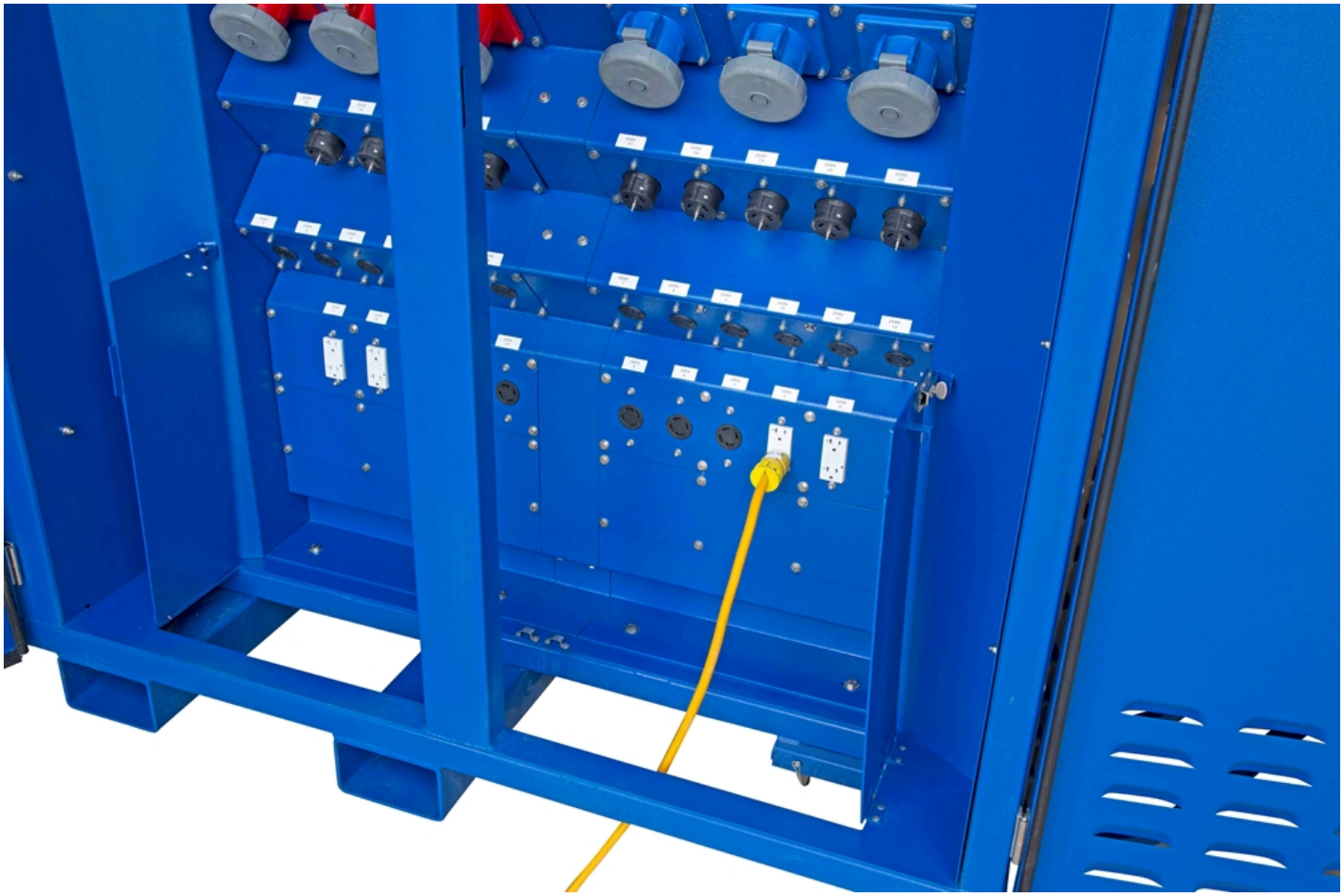
Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



MPD-SS-500D-150KVA-4XTB-18X220V.16A-15X24V.16A-IND

Product ID: 148635

Harmonized System (HS) Code: 8504.21.0040

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- ANSI Certificate 1
- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 5, Misc
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map