

**45KVA Portable Power Distribution - 380V to 380Y/220V 3PH - (8) CEE 7/3 - N3R
MPD-380.3P-45KVA-380Y-220-8XCEE7-3**



Made in Texas

The Larson Electronics MPD-380.3P-45KVA-380Y-220-8XCEE7-3 power distribution substation converts three-phase 380V AC electrical current into three-phase 380Y/220V AC. This unit provides operators the ability to safely tap into and distribute 380V 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-380.3P-45KVA-380Y-220-8XCEE7-3 portable power distribution system gives operators the ability to power their 220V equipment from a single system. On the primary side, operators connect 380 volt using a customer-provided cord. On the secondary side, operators connect to eight, CEE 7/3 receptacles for 220V equipment. All receptacles are protected by weatherproof covers.

Operation: A customer-provided cord brings three-phase 380V power to the NEMA 3R 100-amp, 380V three phase primary disconnect, which contains three 90-amp time delay fuses, and passes three-phase 380V through to the transformer. The NEMA 3R 45 KVA transformer converts 380V power to three-phase 380Y/220V 60Hz and passes the current to the secondary side. The secondary side of the transformer feeds a NEMA 3R 125-amp, 380D/220V three phase main lug only panel. This secondary side contains eight, 15-amp 1-pole 277V GFCI breakers protecting eight, 16-amp 250V CEE 7/3 receptacles.

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. 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.

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