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MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1

25 KW Pad Mount DC Power Supply, 208Y/120 Vac +Ground 3PH Primary, 120 Vdc Secondary, NEMA 3R, ONAN, Grey

Product ID: 305660

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.

MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1 Pad Mount DC Power Supply

Type: DC Power Supply
Operation: Stand-alone / In Parallel with each other
Frequency: 45-65 Hz
Capacity: 25 KW
Primary Voltage: 208 Vac w/ Ground
Primary Phase: Three Phase
Primary Voltage Class: 1.2 KV
Primary BIL: 30 KV
Secondary Voltage: 120 Vdc
Secondary Current: 200 A dc
Secondary Phase: DC
Secondary Voltage Class: 1.2 KV Class
Secondary BIL: 30 KV
Vector Group:
Tap Changer: N/A
Cooling Class: ONAN, Self Cooled (Mineral Oil - Non PCB)
Insulation Rating: Class E Insulation - 120°C, 248°F
Temperature Rise: 65°C
Impedance (Std): 1.2-6.0% Typical
Primary Termination: ANSI Type II Arrangement
Secondary Termination: ANSI Type II Arrangement
Sound Level: Meets NEMA ST-20 Standards
Display: Included

Ratings

NRTL Listed for United States and Canada

Display Features

Showing Date and Time
Showing Operating DC Voltage
Showing Load
Showing Rectifier Data
Showing Temperature
Showing DC Output Voltage
Showing DC Overvoltage
Showing AC Input Voltage
Showing Ground Fault
Showing Load Level Percentage
Showing Fault Log
Includes Serial Communication

Winding Material: Copper
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey Finish
Mounting: Pad Mount / Floor Mount
Dimensions: (*Please note that dimensions are approximate and subject to change*) 39"-L x 47"-W x 59"-H
Total Weight: (*Please note that weight is approximate and subject to change*) 1,152 lbs

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1 Pad Mount DC Power Supply from Larson Electronics is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the unit provides increased reliability, high efficiency, and protection against critical equipment failures. The autotransformer does not provide isolation for the primary and secondary sides due to a shared winding configuration.

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

Transformer Features: With a DC power supply rating of 25 KW, the MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1 power supply features three-phase grounded 208Vac on the primary side and 120Vdc on the secondary side. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology. This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well.

Further Benefits: The MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1 DC power supply offers many benefits to the consumer. Precision cut copper transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

This DC power supply provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

Safety: The MT-PML-PS-3P.1P-GT-25KW-SW-LT-DF-ZX-BM-CZ-1ZZ-M1 is a DC power supply which means that it has the ability to adjust the supply voltage to match specific load requirements when load isolation from the supply line is not required. Autotransformers are typically used in distribution systems that require small voltage corrections during operation.

Please note that this autotransformer does NOT provide any form of isolation.

Non-Isolation Considerations: Rectifier transformers, lacking complete electrical isolation between primary and secondary windings, pose several downsides. They lack galvanic isolation, increasing the risk of electric shock and equipment damage, especially in safety-critical applications. Noise and interference from one winding can transfer to the other, potentially affecting connected equipment. Additionally, auto transformers have limited voltage regulation capabilities compared to isolation transformers, and they may present challenges with grounding, leading to safety hazards and electrical issues.

Mount: The rectifier transformer is mounted atop a skid plate base that allows this transformer to easily be moved from one location to another using a forklift. The skid platform is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The industrial grade skid platform can be modified to meet the needs of job-site requirements and can be pad mounted.

Applications: Situations that require a transformer to convert three-phase AC power to DC power.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, 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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Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**