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MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2

100 KVA Portable Load Bank – 230V L-N / 400V L-L Rated, 3-Phase, 400 Hz, Aircraft Power Connector, Caster Wheels, NEMA 3R

Product ID: 333492



Image: MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2

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.

MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2 Portable Load Bank

Unit Type: Portable Load Bank
Line-In: (1) 6-Pin Aircraft Power Receptacle with Shield (IAW LE409-0001)
Line-In Orientation: Side/Top Feed (Bottom Feed Not Permitted – Ensures Aircraft Cable Clearance)
Capacity: 100 kW (Resistive) / 100 KVA
Voltage: 230V AC Line-to-Neutral / 400V AC Line-to-Line
Current Rating: 144 A
Power Factor: 1.0
Phase: 3-Phase
Frequency: 400 Hz
No. Of Load Steps: 10
Control: Local manual control with individual load step switching
Control Power: Internally derived from main input (no external control power connection required)
Cooling System: Integral forced-air cooling system
Load Element: Stainless steel tube resistor with wind cooling which are insulated with heavy-duty, high temperature ceramic insulators

Protection:

Emergency stop / E-F interlock providing immediate load shed

The fan motor is fully protected with breaker and a thermal overload

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 1008
NRTL Listed to UL 98
NEMA 3R Rated for Indoor/Outdoor Use
Made in the USA

Over-temperature protection for resistive elements and enclosure

Thermal protection for cooling system

Display: Included Metering, Volts, Amps, Frequency, Watts Display

Manual switching controls for each load step

Audible and visual alarm for over temperature and cooling fan fault

Monitoring: (4) BNC Female Connectors for per-phase monitoring of voltage, current, and frequency via oscilloscope

Mobility: Casters included for ease of transport

Lifting: Forklift lifting pockets provided for loading/unloading

Operating Temperature: -10°C to +50°C

Humidity: 90%

Altitude: 5,000 feet above sea level

Noise Level: ≤ 85 dB(A) compliant with OSHA 29 CFR 1910.95

Lifting: Top four lifting points and bottom forklift holes are both available

Form Factor: Rectangular enclosure

Door: (2) Hinged Doors w/ Pad Lockable Handle

Enclosure Material: Heavy gauge aluminized steel per ASTM A463

Enclosure Finish: High quality baked polyester powder coated finish

Enclosure Type: NEMA 3R Ventilated
Mount: Portable/Floor Mount
Dimensions: 61"-L x 34"-W x 54"-H
Weight: 950 lbs
Shipping Dimensions: TBD
Shipping Weight: TBD

Larson Electronics manufactures 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.

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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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

Made in the USA

The Larson Electronics MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2 Portable Load Bank is designed for maintenance and operational testing where a controlled, artificial electrical load is required. This portable resistive load bank allows operators to safely apply load to power sources to verify performance, stability, and output under controlled conditions.

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

The MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2 portable load bank provides a safe and reliable way for operators in industrial and aerospace ground power environments to apply controlled resistive loads. Compatible with three-phase 400Y/230V AC (230V Line-to-Neutral / 400V Line-to-Line), 400 Hz, this portable load bank offers a 100 kW minimum resistive load capacity with load steps selectable in 10 kW increments. This 3-phase load bank carries approximately 144 A per phase at rated operating voltage.

Operation: The MPD-PLB-100KVA-400Y.230V-400HZ-N3R-M2 features manual load step

switching for controlled application and removal of load. An emergency stop (E/F interlock) provides immediate load shed for operator safety.

Enclosure Design: This portable load bank features a rugged steel enclosure designed for indoor and outdoor use. The ventilated housing carries a NEMA 3R rating to protect internal components from environmental exposure. Forklift lifting pockets are provided for loading and unloading, and heavy-duty caster wheels allow for ease of transport and positioning.

Certification: This PLB is NRTL listed to UL 98 and UL 1008, as well as NRTL listed for service equipment.

Mount: portable or floor mount.

Applications: This Load bank has a wide variety of applications such as: Generator servicing, generating set exercising and / or testing, keeping generating set above minimum loading (load shedding), battery discharge and UPS systems exercising, and /or testing to reduce 'Wet Stacking' problems and ground power testing.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs