

PORTABLE LOAD BANKS

100kW-1000kW



LP SERIES PORTABLE LOAD BANKS

Trystar is a leading manufacturer of high-capacity load banks. The LP Series of portable indoor load banks offers the most robust, high-capacity designs in the industry. Trystar is setting the standard with intelligent operator controls, safety indication layouts, adjustable load step resolution and lightweight designs. The LP Series of portable products is the perfect solution for regularly schedule maintenance testing and commissioning of mission-critical standby emergency power systems

POWERDYNE™ / WHEN QUALITY MATTER

PowerDyne™ Resistors are the most rugged in the industry and can handle the rigors of the over-the-road use. They are fully supported across their entire length within the air stream by stainless steel support rods which are insulated with heavy-duty, high-temperature ceramic insulators. Load step stability is maintained by conservative resistor designs.

QUICK CONNECTS WHEN TIME MATTERS

All LP Series portable load banks come equipped with fully-rated, industry exclusive Cam-Lok power connectors with are color coded for operator safety and ease-of-phase identification. Protective snap-back covers provide added safety during storage and operation.

CONSTRUCTION / BUILT TO LAST

LP Series products are constructed of galvanized steel with the highest quality durable power-coat paint finish. Portability and ease of positioning are provided with moving handles and heavy-duty casters. Tie-down provisions allow for secure transportation to and from job sites.



- Industry-leading, robust, compact, lightweight designs
- Rated for continuous duty with no cool-down period
- Quick-connect, color-coded Cam-Lok power connectors
- Branch circuit fusing virtually eliminates catastrophic failure
- Intelligent safety circuits, indicators, and operator controls

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OPERATOR CONTROLS

- Emergency stop (E-stop)
- Illuminated main power on/off switch
- Blower voltage selector switch
- Illuminated blower start/stop push button
- Fan-phase reversal switch
- Load voltage selector switch (dual voltage units)
- Master load on/off switch
- Individual load step switches
- Fault condition smart indicators provide operator display and load disconnect during air-flow failure, over-temperature, motor overload, load dump, and wrong voltage applied.

DIGITAL POWER METER

A fully equipped, 3-phase digital power metering system that measures a standard range of 16 load parameters. Includes RS485 (Modbus protocol) for remote reading - compatible with PC, PLC, and data logger.



POWER CONTROL

A detachable line cord is provided to deliver the convenient 120 volt AC, 1-phase, 60 Hertz power necessary for control circuit operation. When 120 VAC control power is not readily available, units can be provided with a control power transformer.

OPERATOR PROTECTION WHEN SAFETY MATTERS

LP Series Portable load banks come equipped with an emergency-stop push button allowing the operator to take the unit off-line should a critical hard-stop condition occur. Branch circuit fuse protection provides short-circuit fault protection of all load steps eliminating the potential for catastrophic failure. Blower on, motor overload, air-flow failure, and over-temperature circuits disable all load steps during a fault condition with operator visual indicators, with a wrong voltage applied protection circuit prevents the application of 480 VAC with the load voltage selector switch in the 240 VAC position. The load dump circuit provides the operator visual indication if all load steps have been removed.

YOUR COMPLETE SOLUTIONS PROVIDER

Trystar's complete line of portable and stationary Load Bank products offers industry exclusive load testing solutions for generator set dealer/distributor networks, service arms, rental companies, end users, and original equipment manufacturers of generator sets, UPS systems, turbines, fuel cells, wind power, and battery systems.