

LT Series Trailer-Ready Load Bank

Load Banks Direct, LLC is a leading manufacturer of high-capacity Load Banks. The LT Series of Load Banks offer a durable approach to those requiring a mobile testing solution. The LT Load Bank is supplied as a complete "Trailer-Ready" assembly suitable for mounting to a customer supplied 7000 or 10000 Pound GVW Highway rated trailer. Looking for a turnkey solution? No problem, LBD can supply an optional trailer that is DOT and ICC road legal and is complete with heavy-duty welded steel construction with steel deck, dual axles, radial tires, electric brakes and lights, adjustable lunette eye, and front/rear stabilizer jacks. LBD is setting the standard for mobile test solutions with rugged construction and intelligent operator controls, safety indication layouts, and adjustable load step resolution.

PowerDyne™ When Quality Matters

PowerDyne™ Resistors are the most rugged in the industry. 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.

Construction | Built to Last

LT Series of trailer mounted load banks are constructed of galvanized steel with powder coat paint finish with exterior stainless steel fasteners. Bolt on access panels provide a dead-front enclosure, safely enclosing all electrical and mechanical connections. The load bank is designed for installation and operation in an outdoor environment with sufficient fresh intake air available. The enclosure is designed for direct mounting to a customer supplied DOT approved over the road trailer.



Shown above: LT2500 with optional trailer and motorized cable reels

The LT Series of Load Banks provides a cost-effective solution for regularly scheduled maintenance testing of mission-critical standby emergency power generators.

- > Industry leading design, self contained & versatile
- > Rugged, over-the-road mobile testing solution
- > Save time with Cam-Lok power connectors
- > Intelligent Safety Circuits, Indicators, and Operator Controls

Cooling System

Integrally mounted blower motor with high-performance, direct-driven fan blades deliver the required airflow volume (CFM) for cooling resistor load elements. Power for the blower circuit can be selected from an "external" power source, or "internally" derived and operated from the main input load bus (source under test).

LT Resistive Load Banks:

Model	Power Rating	Voltages	Min Load Step	Dimensions	Weight
LT500	500 kW	480/240 VAC	5 kW	40.25"W x 52"D x 72"H	1350 lbs
LT750	750/600 kW	480/240 VAC	5 kW	40.25"W x 52"D x 72"H	1550 lbs
LT1000	1000/800 kW	480/240 VAC	5 kW	40.25"W x 88"D x 72"H	2700 lbs
LT1250	1250/800 kW	480/240 VAC	5 kW	40.25"W x 88"D x 72"H	2900 lbs
LT1500	1500 kW	480 VAC	10 kW	40.25"W x 88"D x 72"H	2800 lbs
LT2000	2000 kW	480 VAC	10 kW	40.25"W x 88"D x 95"H	3600 lbs
LT2500	2500 kW	480 VAC	25 kW	40.25"W x 88"D x 100"H	3900 lbs

Operator Protection | When Safety Matters

LT Series Trailer Duct Mounted Load Banks come equipped with an integrated Operator Control Panel. The Emergency-Stop push button allows 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.

Local Operator Control Panel

- > Illuminated Main Power On/Off switch
- > Emergency Stop (E-Stop)
- > Master Load On/Off switch and Individual Load Step Switches
- > Fault condition smart indicators provide operator display and load disconnect during Over-Temperature, Air-Flow failure, Motor Overload or Load Dump
- > Dual Voltage units feature Blower Voltage selector switch

Quick-Connect-Disconnect

Load cable connections to fully rated "industry exclusive" Cam-Lok power connectors. Connectors are color-coded for safe and easy phase identification. Protective snap-back covers provide added safety during storage and operation.



Optional Equipment

The LT Series load bank is available with a number of options including DOT Trailer, Motorized Cable Reels, Storage Boxes and more.



Your Complete Solutions Provider

LBD'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.

LBD is your factory-direct complete solutions partner.

