

MOSEBACH

MANUFACTURING COMPANY

Made Only in America



Load Banks



Electric Heaters



Dynamic Braking Resistors

A HISTORY OF EXPANSION, INNOVATION AND TOP-NOTCH TECHNOLOGY

Founded in 1924, Mosebach originally supplied electrical gear for coal mines in Pennsylvania and West Virginia.

Through the years Mosebach has expanded our product offerings by designing and developing dynamic braking resistors, load banks and electric heaters. All products are built for maximum durability and reliability.

Our technically-advanced products serve customers in nearly every kind of industry; including new construction, power plants, military, telecommunications, railroads, and rental companies.

*We focus on cost, ease of use, and reliability to give each and every one of our customers products that **perform**.*

Mosebach Manufacturing Company is
ISO9001-2015 Certified and M-1003 Certified.

MOSEBACH'S RESISTOR TECHNOLOGY

Mosebach resistors are designed and built to withstand the harshest environment. Extensive research and tests prove their unique design makes for more durability and a longer, more reliable performance.

CROSS WIRE

Mosebach's cross wire resistor is used in almost every load bank to obtain 5 kW resolution. There are no ceramics or welds used so these resistors last much longer and can withstand more shock/vibration.



Cross Wire Resistor

SUSPENDED WIRE

Mosebach's suspended wire resistors are NiCor metal coils supported by Mica that can sustain anywhere from 0-3000 kW. These are used in conjunction with the cross wire resistors to get smaller kW steps.



Suspended Wire Resistor

LOAD BANKS

Load banks are critical for diesel generator upkeep and maintenance. They help prevent wet stacking when a generator is used infrequently or below its optimal load.

Mosebach load banks feature innovative data logging, reporting, automatic voltage detection, automatic phase rotation, and load profile uploading. Multiple load banks with varying power capacities may be linked together and controlled from one PC or tablet.

Mosebach load banks are capable of testing a generator to the requirements of a National Fire Protection Agency Standard 110.

**All load banks can be tested by a Nationally Recognized Testing Lab (NRTL Certified) upon request.*

AC LOAD BANKS

Our resistive load banks range from small and portable to permanently mounted outdoor units. We offer power ranges from 30 kW to 3000 kW and higher. Our load banks can test all single-phase and three-phase voltages including 600V and 4160V.



250 kW Portable Load Bank



100 kW Suitcase Load Bank

DC LOAD BANKS

Our direct current line of load banks is perfect for customers who need to test DC power systems or battery systems. With a variety of voltages and amp capacity, we are sure to have what you require! We offer a variety of both portable and permanently mounted units.



DC Load Banks



Dual Voltage 400 kW DC Load Bank

TRAILER MOUNTED LOAD BANK

Virtually any of our load banks can be mounted on a DOT certified dual axle trailer with brakes to meet your needs. Trailer mounted units can come with electric cable reels or a job box for easy clean up and cable storage. Trailer mounted units allow customers to test multiple generators in one day.



2 MW Trailer Mounted Load Bank

RESISTIVE REACTIVE LOAD BANKS

Our Resistive Reactive load banks can handle your inductive requirements. Please contact us for additional information.



2500 kW 1875 KVAR Load Bank

RADIATOR MOUNTED AND MEDIUM VOLTAGE

Radiator mounted load banks are mounted right onto diesel generators and use the engine's cooling air to cool the resistors on the load bank. These come in a variety of sizes and control options.

We manufacture true medium voltage load banks but can also supply a unit with a transformer included. These units are available in a wide variety of voltages and resistive reactive medium voltage load banks are available. All of these features mean we can meet your project's unique specifications.



MULTI-UNIT REMOTE CONTROL

Remote Control Software

The software allows users to remotely control single or multiple load banks. Customers can download the software from our website to run on any laptop. You will have access to the following:

- Blower control
- Master load control
- Load step control
- Blower/control voltage indicators
- Voltage mode indicators
- Over-temp fault indicators
- Airflow indicators
- Power Quality Meter Data readouts
 - Voltage (A, B, C, Avg)
 - Current (A, B, C, Avg)
 - Power (A, B, C, Total)



Serial Number	Model Number	Zone	Alarm Status	Blower Status	Control Mode	Voltage Mode	Capacity (kW)	Applied (kW)	Measured (kW)	Measured (A)
X506-3017-1	X5750C	0	OK	On	Remote	600	750	750	0.00	0.00

Control Mode: Local (selected), Remote

Blowers: OFF (selected), ON

Master Status: ON

Control Filter: Individual

Parameter	Meter
A Current	0.00
B Current	0.00
C Current	0.00
Average Current	0.00
Total Power	0.00

Remote Control Software

ELECTRIC HEATERS

Our expertise in manufacturing high quality resistors for some of the harshest environments has lead us to engineer and build some of the toughest electric heaters available today.

Heaters are available in the sizes of 60 kW and 150 kW. Mosebach's heaters are virtually maintenance free and are used anywhere from construction sites and nuclear power plants to fine dining and special outdoor events.



150 kW Portable Electric Heater



60 kW Small Lightweight Portable Electric Heater

DYNAMIC BRAKING RESISTORS

Mosebach has over 50 years of experience manufacturing Resistor Grids for Dynamic Braking Systems in locomotives and mining trucks.

Our grids are specially designed to keep the heat away from the panels. This allows the panels to stay cooler and promotes extended resistor life.

We manufacture OEM grids as well as aftermarket grids for locomotives and mining trucks around the world.



Dynamic Braking Resistor Grid for Off-Highway Trucks



Box Style Grid for EMD Locomotives

INDUSTRIES WE SERVE –

- Power Generation
- Rental Industry
- Mission Critical
- U.S. Military
- Government
- Oil, Gas, Nuclear & Wind Power Plants
- Telecommunications
- Rail
- Mining
- Event Planning
- Construction



1417 McLaughlin Run Road | Pittsburgh, PA 15241-3103 USA
T: 412-220-0200 | F: 412-220-0236 | www.mosebachresistors.com

Load Bank Inquiries–
Loadbanks@mosebachresistors.com

Heater Inquiries–
Heaters@mosebachresistors.com

General Inquiries–
Info@mosebachresistors.com

