



TRYSTAR®

MV MEDIUM VOLTAGE LOAD BANK

5KV - 15KV

Precision Load Testing for Medium-Voltage Systems



MV Series Medium Voltage Load Bank

(5kV - 15kV)

Trystar MV Medium Voltage Load Banks are designed for rigorous load testing of high-voltage power systems, including generators, transformers, and switchgear. Built for precision, durability, and safety, these load banks ensure your critical power infrastructure operates at peak performance.

This equipment supports medium voltage ratings from 5 kV to 15 kV, ideal for high-capacity power systems. Advanced load control enables precise testing with adjustable load steps. Integrated safety systems protect against over-temperature, over-voltage, and over-current conditions. A high-capacity air-cooled system ensures continuous operation.

When medium voltage load testing is critical, Trystar MV Load Banks deliver unmatched precision, reliability, and safety. Engineered for high-voltage applications, trusted for performance, and built to withstand the harshest conditions.



MV Medium Voltage Load Banks

5kV - 15kV



Benefits

Trystar's Medium Voltage Load Bank delivers reliable performance for high-capacity power systems, ensuring precise load testing, enhanced safety, and durable operation in extreme environments.

- **Reliable High-Voltage Testing:** Ensures medium voltage power equipment operates safely and efficiently.
- **Precision Performance:** Accurate load application for detailed system performance analysis.
- **Built to Last:** Engineered for long-term durability with minimal maintenance.
- **Flexible Deployment:** Suitable for permanent installations or portable configurations.



Applications

- Data Centers
- Power Generation Facilities
- Utilities and Substations
- Industrial Plants
- Renewable Energy Installations
- Oil & Gas Industry
- Military and Government Installations
- Large Commercial Facilities



Key Features

- **High Capacity & Durability:** Suitable for 5 kV to 15 kV applications, with power ratings up to 2500 kW.
- **Turn-Key Design:** Includes transformer, load bank, and copper wiring connections mounted on a common skid.
- **Rugged Construction:** Galvanized steel frame with a durable powder-coat finish for maximum outdoor performance.
- **Sealed Compartments:** Thermostatically controlled heated compartments protect against moisture and condensation.
- **Dry-Type Power Transformer:** Reduces maintenance and eliminates concerns about fluid leaks, unlike oil filled transformers.
- **PowerDyne™ Resistor Technology:** Non-corrosive, high-performance resistors designed to withstand outdoor conditions.
- **Integrated Safety Features:** Emergency Stop (E-Stop), short-circuit fault protection, and visual fault indicators.
- **Flexible Cooling System:** Blower motors operate internally from the load bus or from an external 3-phase source.



Available Options

- Custom load capacities and voltage configurations
- Integrated metering and data logging for performance monitoring
- Remote control capabilities for ease of operation
- Skid-mounted or trailer-mounted configurations
- Custom branding and labeling options.



Catalog Numbers

Catalog no.	Description
MV	Medium Voltage Load Bank