



# LOAD BANK

## INTRODUCTION

A **load bank** is a piece of electrical test equipment used to simulate an electrical load, to test an electric power source without connecting it to its normal operating load. During testing, adjustment, calibration, or verification procedures, a load bank is connected to the output of a power source, such as an electric generator, battery, servo amplifier or photovoltaic system, in place of its usual load. The power is usually converted to heat by a heavy duty resistor or bank of resistive heating elements in the device, and the heat removed by a forced air or water cooling system. The power is usually converted to heat by a heavy duty resistor or bank of resistive heating elements in the device, and the heat removed by a forced air or water cooling system.

## CHARACTERISTICS

- load banks discharge heat while consuming power to accurately mimic the load of a server processing a workload.
- The load bank only draws power (current and voltage) to test the infrastructure, and then dissipates it safely as heat.
- Inductive load banks, by contrast, create a lagging power factor. The third common load bank type is resistive, with a lagging power factor. Resistive load banks, used frequently for industrial purposes, provide equivalent loading on the generator, and are usually portable.



## TECHNICAL SPECIFICATION OF LOAD BANK

Insulation Resistance	20 M Ohms
Power	50kW - 500kW
Usage/Application	UPS
Capacity	upto 500kW
Temperature	275 degree plus ambien

**Dielectric Strength**

2500 VAC

**Color**

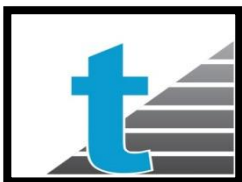
as per customer requirement

**Temperature Coefficient**

A+- 200PPM/Degree C max

**Resistance Value**

+/- 10%



**TRIMURTI ELECTRICALS**

**G-74, ABUL FAZAL ENCALAVE PART -2 JAMIA  
NAGAR OKHLA NEW DELHI 110025**

**LAND MARK:-MEMSAAB SHOW ROOM BACK  
SIDE**

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