LOAD BANK

PROVIDED BY

ZEONICS SYSTECH

DEFENCE & AEROSPACE ENGINEERS PVT LTD

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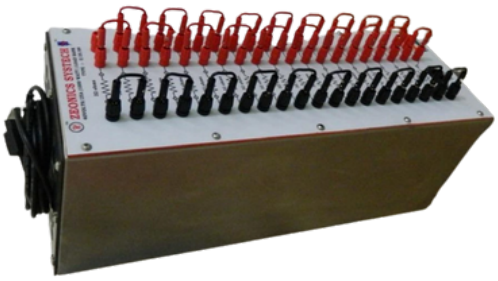
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LOAD BANK

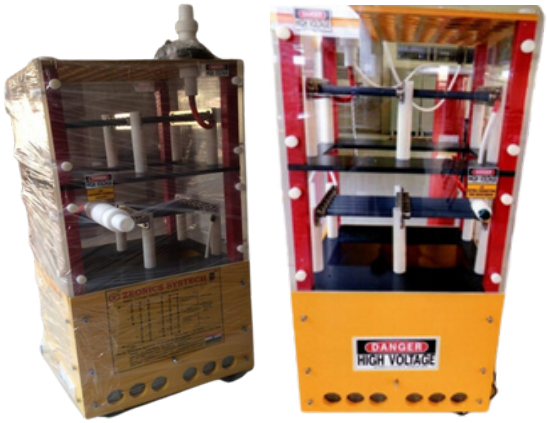
During the testing process of any pulse power source or any high voltage system there is a continuous requirement of different types of simulated loads.

We at Zeonics develop and manufacture such compact load banks, loads etc which can be used for different of applications. These systems are designed, developed by us totally and are housed in compact system which can be transported and taken out from one place to another place for testing applications. We also can make load banks with resistive, inductive and capacitive requirements.









HIGH VOLTAGE ISOLATED LOAD BANK

Voltage : 100kV to 25kV
Current : 100mA to 20.0 Amps
Power : 5Kilowatts to 150kilowatts
Resistor : Bulk Ceramic Resistor
Z/34/02



LOW INDUCTANCE COAXIAL LOAD RESISTOR

Resistance Value : 1kΩ & 8 Nos. in parallel
Maximum Energy : 50k Joules, 5 Minutes cooling 5pps
Application : As a crowbar Resistor for a 1 Mega Watt Klystron facility
Weight : Assembly 190Kgs
Type : Non Inductive Strip line wound
ZHS/01/50



LOW INDUCTANCE COAXIAL LOAD RESISTOR

Resistor value : As per order suitable to the customer, basically To match PFN, Coaxial transmission line, Marx Generators
Typical value : 1Ω to 500Ω
Type : Solid bulk resistor; wire wound mattresistors
Container : Coaxial metal container with resistive ground
ZHS/001/082



HIGH VOLTAGE LOAD BANK OIL FILLED

Resistor Value : 350kΩ/600kΩ
Power : 6000 VA
Duty : Continuous
Application : Load for Transformer/ AC Banks, CBD System
Z/49/11



HIGH INDUCTANCE RESISTIVE LOAD

Resistance : 11 KΩ (1 kilo ohm to 100 kilo ohm
Voltage : 70kV Pulse
Power : 4k Pulse
Container : Stainless Steel
Z/53/58



RESISTIVE LOAD BANK MODULES

Working Voltage : 500kV DC
Test Voltage : 600kV DC (1 min)
Operating Current : 10mA per limb
Power per Limb : 5kW
Duty Cycle : 30 min ON; 90 min OFF
Cooling : Oil Cooled
Weight : ~350kgs
Modularity : Can be paralleled for Higher Power requirements.
Z/43/76



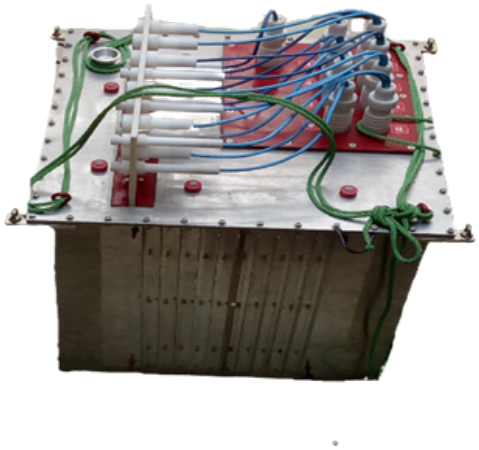
HIGH VOLTAGE COMPACT LOAD BANK

Input Voltage : Typically 3kV, 5kV, 10kV and 15kV
Typical Load : 2kW, 3kW and 10kW
Auxiliary Air : Yes Supplied
Typical Life Duration : Continuous 8 hours,/8 hours switching off
Typical Dimensions : Length 1000mm/250/250mm,500mm/250/250mm
Z/35/40, Z/43/63



HIGH VOLTAGE TANDEM LOAD

100kV DC /100watts/300watts/1000watts 300kV DC/1mA/10mA DC
Working voltage : 100kV DC
Test voltage : 110kV D C
Power : 100watts
Application : Series / Parallel Connection
Z/40/64



HIGH VOLTAGE LOAD BANK

Working Voltage	**: 150kV DC**
Test Voltage	**: 200kV DC**
Power	**: 150kW**
Current	**: 1A**
Dimension	**: H: 1500mm, W: 1700mm, B: 1700mm**
Weight	**: 800kgs**

Z/37/88



HIGH VOLTAGE FORCED AIR COOLED LOAD BANK

Working voltage	**50kV DC to 120kV DC**
Isolation voltage	**75kV DC to 190kV DC**
Maximum Power	**6+4 = 10kW to 30kW**
Application	**Testing of DC Power Supply With variable taps.**

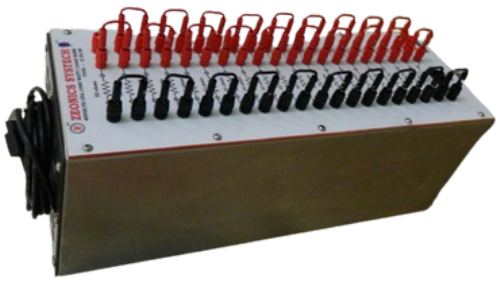
ZHS/01/51



HIGH VOLTAGE COMPACT LOAD BANK

Working Voltage	**15kV to 25kV DC**
Power	**1.0kW to 24.0kW**
Resistors	**Non Inductive, Glass passivity**
Application	**Testing of TWT Power Supply**

Z/36/50



HIGH VOLTAGE LOAD BANK

Voltage	**440V/660V/1100V**
Current	**1.0A to 10.0A/ 20.0A**
Duty	**Continuous**
Termination	**Mild steel System**

Z/35/89



HIGH VOLTAGE COMPACT LOAD

Voltage	**10kV DC / 25kV DC**
Current	**0.2A/ 0.5A/ 1.0A**
Power	**1kVA to 15kVA**
Type	**Non-Inductive Resistor**
Z/35/60	



HIGH VOLTAGE LOAD BANK FOR TWT TESTING

(Ka Band Transmitter - 20.5kV DC 800W)

Parameter	**Value**
Max Power	**230V 50Hz 1ϕ**

R1-4.8MΩ/87W V = 20.5kV DC
R2-4.8MΩ/87W V = 20.5kV DC
R3-238kΩ/304W V = 8.5kV DC
R4-238kΩ/304W V = 8.5kV DC



HIGH VOLTAGE DC LOAD BANK

Maximum Working Voltage	**45kV DC to 65kV DC**
Maximum Power	**18kW**
Resistor Distribution	**Odd + Even**
Duty	**Continuous Military Duty**
Weight	**190 kgs**
Z/32/86	



HIGH VOLTAGE RESISTIVE LOAD BANK

Resistors	**Non Inductive 25/ Wire Wound**
Section	**Cathode & Collector**
Auxiliary Power	**230 Volts, 50Hz, 1 Phase**
Maximum Voltage	**15kV DC Operation**
Minimum Power	**1000 Watts**
Maximum Power	**100 KiloWatts**
Temperature	**Minimum -20°C ; Maximum +100°C**
Application	**Testing of Radar HV Power Supply in Absence of Actual RF Load**

Z/27/60



HIGH VOLTAGE FORCED AIR COOLED

Maximum Working Voltage	**50kV DC**
Isolation Voltage	**75kV DC**
Maximum Power	**6+4 = 10kW Continuous**
Application	**Testing of DC Power Supply With Variable Taps**

Z/25/111 (632)



HIGH VOLTAGE LOAD BANK

Typical Voltage	**60kV DC**
Load Power	**6 Kilo watts/12 Kilowatts 16 kilowatts /24 kilowatts**
Termination	**Different Suitable For Testing TWT Anode & Cathode supply**
Type	**Load Bank**

WE CUSTOM DESIGN, DEVELOP & MANUFACTURE

We are certified by ISO, DSIR, CE, NSIC and IAEA - International Atomic Energy Agency and Sandia Labs, Lawrence Livermore and Los Alamos National Laboratories

We have developed a vast portfolio of 3000+ Products over the last 42 years

We regularly design new products, and innovate new technology

We have experience for more than 42 years in the fields of High Voltage & Pulse Power having more than 100 citations from all over the world from Weapon Scientists, Nuclear Armament Labs, and several High Voltage Engineers and Scientists.

WE CUSTOM DESIGN, SO DON'T HESITATE TO CONNECT WITH US!

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