



Hyperion AC / DC Load Bank 1 - 10000 kW Technical Specifications

GENERAL

Phase	Single or Three-Phase AC Input	DC Input
Technology	Dummy Test Load Purpose Load Banks	
Control	Digital Microprocessor Controlled	
Power Factor	1.0	
Voltage	Can be Manufactured with Every Voltage Rating	
Load Resolution	Steps from 100 W to 100 kW per Request	
Frequency	50 Hz / 60 Hz $\pm 10\%$	
Load Tolerance	<3%	
Voltage Tolerance	<2%	
Areas of Use	Power Transformer, Generator, Alternator, UPS, Regulator etc.	
Material	80/20 Nickel Chrome Resistance Wire	
Reactors	Iron Core Type - Class F	
Insulation Voltage	1000 V	
Load Connections	Copper Busbars	
Protection	EPO, Fan Fail, Over Temperature, Phase Shifting, Over Voltage, Overload	
Resistance Temp	< 120 °C	
Electric Characteristic	AC, DC, V, A, kW	
Control Type	Manual, HMI-controlled or Digital (Standard)	
Power Analyzer	V, A, W, VAR, Hz, cosPhi	
AC Input	Three Phase, 3 wire delta or 4 wire wye	
Time Rating	Continuous	
Measurements	Current, Voltage, Temperature, Active/Reactive Power, Input Frequency	
Control Voltage	Selectable from Control Panel	
Resolution	Selectable from Control Panel	
Air Outlet Temp	< 80 °C	
Display	4x20 LCD, HMI Touchscreen (Optional)	
SAFETY and STANDARDS		
Over Voltage	IEEE 587 4500 A	
Interference Reduction	Class B	
Standards	IEC 62040-1-2-3, EN 50091-1 (Security), EN 50091-2 (EMC), ISO 9001, CE	
Heat and Humidity	-10 C° / + 60 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 60 dB	
Cooling	Natural Air Cooling or Forced Air Cooling	
Protection Degree	IP23, IP41, IP55 or IP65 as per Request	

Highlights

- Standalone or Rack Cabinet
- Resistive / Inductive / Mixed Loading
- Long-life Cr-Al Resistances
- IP23, IP41, IP55, IP65 Enclosures
- Microprocessor Control
- ISO Container Type Steel Cabinet
- Crane Lifting Lugs
- Forklift Carrying Legs
- Horizontal Air Release
- Smart Fan Protection System
- Corrosion Resistant
- Thermostatically Controlled Fans
- EPO and Modbus Standard
- Overload Protection
- Digitally Adjustable
- 2 Years Warranty

General Features

Hyperion Series Load Banks are used for performance tests of generators, UPS, voltage regulators, transformers, alternators and test laboratories and also ensure to operate the generators safely (dummy load).

Load banks are used in many industrial areas and applications. As energy needs become more and more important day by day, testing, protecting and maintaining the resources that provide this energy temporarily or continuously is becoming more and more important. Hyperion Series Load Bank provides high quality resistors, digitally adjustable load and resolution, corrosion resistant metal enclosure to operate in industrial environments.