

3300 kVA Load Bank

A responsive, secure and ready-to-use solution.

Operating principle

Designed to meet the most demanding situations, the 10-foot containerized load bank enables rapid intervention thanks to an immediately available test solution. Its compact, transportable format ensures quick commissioning and complete flexibility, whether for multi-site operations, rental needs or emergency situations.

The container provides a fully secured test environment. Its optimized vertical ventilation ensures efficient heat dissipation while limiting risks to people and equipment during testing. Equipped with the Advanced control system, the load bank can drive and record the tests performed. The recorded data facilitates test documentation, proof of installation conformity and compliance with regulatory requirements.



General Characteristics

Resistive elements		Resistive elements	
<i>Load Type</i>	Resistive and inductive	<i>Resolution</i>	1.44 kW / 1 kVAR
	3300 kVA at 480 Vac / 60 Hz	<i>Dimensions</i>	10-foot High Cube container
<i>Rated Power</i>	2540 kVA at 400 Vac / 50 Hz		
<i>Rated Voltage</i>	480 Vac +/- 5% three-phase		(HxWxD) – 2896 x 3000 x 2500 mm
<i>Power Factor</i>	0.8	<i>Mass (±5%)</i>	#8000 kg
<i>Frequency</i>	50 Hz (380Vac to 440Vac) 60 Hz (460Vac to 480Vac)		

Technical Specifications

The clean architecture of our load bank simplifies its installation and use.

Design		Cooling system	
Use	Indoor & Outdoor	Air extraction	Horizontal
Structure	10-foot HC container CSC certificate (for maritime/rail transport of containers)	Rated Power	4 × 3.7 kW
Paint	Blue Grey RAL7031 C4 indoor / C4 outdoor as per ISO 12944-2 standard / C5 optional	Air flow	4 × 17,480 m ³ /h
Handling	ISO corners	Sound level at 1 m	96 dBA +/- 3dBA ⁽¹⁾
Resistive elements		Protections	
Technology	Finned stainless steel tubular resistors	Resistive elements	Fuse protection
Resistive Alloy	Nickel-chromium 80/20	Fan motor	Fuse protection
Element tolerance	±5%	Safety devices	Air-flow detector
Temperature drift	< 2%		Emergency stop

Control system

A simple interface for ease of use.

Control system	
Power ramp-up	Three-pole contactors
Resistive load control	Echo-A (Advanced)
HMI	10" touchscreen
Manual mode	☒
Cycle mode	☒
Step-by-step mode	☒
Measurements (U, I, P, F, pf)	☒
Data logging	☒
Ballast mode	Option
Communication ModBus	Option
Remote control	Control cable 100 m max

Environmental Characteristics

Capable of operating in all environments.

		Protection rating	
Operating T°C	-10°C to +50°C	IP electrical compartment	IP 54
Storage T°C	-20°C to +60°C	IP air duct	IP 23
Ambient Humidity	95% relative ⁽²⁾		
Operating altitude	<1000 m ASL		

⁽¹⁾ Sound pressure level in ½-spherical propagation of the equipment (Q=2)
Equivalent pressure level measured at 8 measurement points all around the equipment
Compliant with Machinery Directive 2006/42/EC

⁽²⁾ Relative humidity, non-condensing

