

TALON™ EDGE

LOAD BANKS

LEAD TIMES
IN WEEKS,
NOT MONTHS



Easy-Access Control Panels

Resistive Portable AC Load Banks

Engineered for data centers, utilities, industrial facilities, and critical power applications, these load banks support commissioning, maintenance, acceptance testing, and system validation for:

- Generators
- UPS Systems
- Switchgear
- Transformers
- Power Distribution Equipment

The series features rugged portable construction with lifting provisions, forklift access, and heavy-duty casters for field and rental use. Vertical forced-air cooling supports continuous high-power operation and controlled heat rejection during data center floor testing.

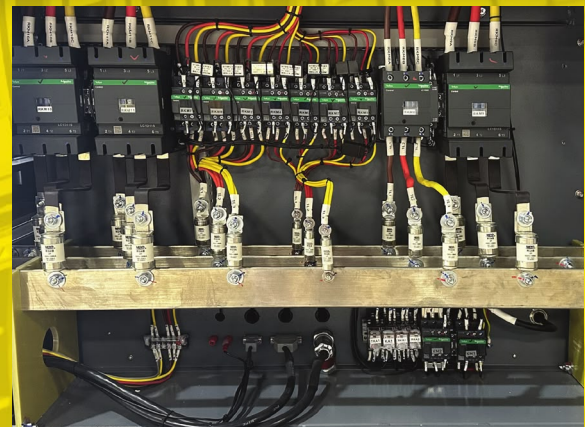
TALON Edge supports local panel operation or PC-based control for:

- Manual Load Steps
- Automated Test Profiles
- Real-Time Monitoring
- Data Logging
- Trend Review
- Report Exporting

Integrated protection includes emergency stop, fan interlock, airflow monitoring, over-temperature, over-voltage, short-circuit protection, audible/visual alarms, and chassis grounding.



Removable Panels for Busbar Access

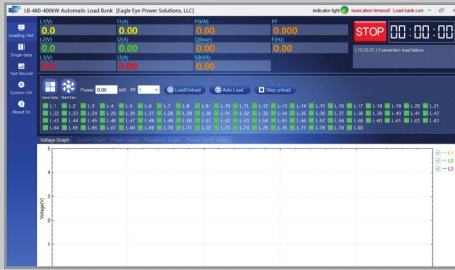


AC Power Distribution and Load-Step Contactor Assembly

Key Features

- **3-Phase Resistive Design:**
Built for unity power factor loading of generators, UPS systems, switchgear, and distribution equipment.
- **High-Temperature Resistor Elements:**
NiCr alloy resistor elements are designed for stable resistance, high-temperature operation, and continuous-duty load testing.
- **Stainless Steel / Insulated Resistor Construction:**
Resistor assemblies use stainless steel sheathing/supports with high-temperature insulation for durability in the cooling air stream.
- **Defined Load Step Architecture:**
Discrete kW stages support repeatable test setup and controlled load transitions.
- **Vertical Forced-Air Cooling:**
Directs heat upward and away from the test area, supporting data center floor testing and controlled heat rejection.
- **De-Rate Capability:**
Supports reduced-voltage testing with kW output adjusted based on applied voltage.

Advanced Load Control & Data Management Software



Integrated software interface for real-time monitoring, load step control, and test data visibility during AC load bank operation.

Single Data

Load	V	I	W	PF	Hz
100	0.00	0.00	0.00	0.00	0.00
200	0.00	0.00	0.00	0.00	0.00
300	0.00	0.00	0.00	0.00	0.00
400	0.00	0.00	0.00	0.00	0.00
500	0.00	0.00	0.00	0.00	0.00
600	0.00	0.00	0.00	0.00	0.00
700	0.00	0.00	0.00	0.00	0.00
800	0.00	0.00	0.00	0.00	0.00
900	0.00	0.00	0.00	0.00	0.00
1000	0.00	0.00	0.00	0.00	0.00

Displays real-time voltage, current, kW, kVAR, kVA, power factor, and frequency readings across multiple AC load bank sections during testing.

Technical Specifications

Voltage Ratings	3-Phase 3-Wire w/ GND: 480 (nominal) or 240VAC 3P 3-Phase 4-Wire w/ GND: 480/277VAC 3P/1P (nominal) or 208/120VAC 3P/1P
kW Models	110, 210, 310, 410, 510, 610kW
Frequency	50/60 Hz
Resolution	1 kW
Dimensions	Approx. 49.25" x 34" x 71" (1250 x 864 x 1800 mm) (L x W x H, excluding casters and lifting rings)
Digital Display	LCD multiple function display meter
Communication	RS232/485, USB/RS232 adapter provided
Cooling	Horizontal intake, vertical discharge
Environmental	14 – 122 °F (-10 – 50 °C), ≤95% RH
Control	Local panel control or control via PC Software
Accessories Included	• 30ft (10m) RS485 software cable • RS485/RS232/USB converter • Data management software

TALON Edge Applications

- AC Power System Commissioning, Startup & Recommissioning
- Generator Set (Gen Set) Commissioning, Acceptance Testing & Preventative Maintenance
- UPS Power System Testing & Validation
- Switchgear Testing & Verification
- OEM Factory Production Testing
- Product Research, Development & Endurance Testing
- Engine, Emissions & Gas Turbine Testing
- Renewable Energy System Testing (Solar & Wind)
- Locomotive Power System Testing
- Marine Power Generation System Testing
- Rental Fleet Power Generation Equipment Testing & Maintenance
- Critical Power Infrastructure Preventative Maintenance Programs



Space-Efficient Footprint Supports Side-By-Side Configurations

Get a Grip on Your
Power System Testing with
TALONTM EDGE
LOAD BANKS

- ✓ Fastest Lead Times!
- ✓ Rugged Design!
- ✓ Responsive Support!

"I did all I could to break one of these load banks, but I couldn't do it. It's the most rugged design I've seen in the industry."

-Trenton C.
National Commissioning Agent

Contact us for availability,
configuration options
and lead times!



eepowersolutions.com/talon-ac-load-banks