



Load Banks for the Rental Sector

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AVTRON
POWER SOLUTIONS



THE RENTAL SECTOR CHALLENGE

In today's demanding power rental market, providers are under increasing pressure to deliver equipment that performs reliably under tough, variable conditions. Across diverse industries, customers depend on rental power to keep operations running smoothly, from maintaining uptime during outages to supporting critical infrastructure and powering remote sites. This expectation for seamless, uninterrupted performance places significant strain on rental fleets and amplifies the operational challenges providers must navigate.

One of the largest obstacles is the requirement for long-lasting, durable equipment capable of withstanding frequent deployment, transport, and exposure to harsh environments. High asset utilization is essential for maximizing profitability, yet every piece of equipment must remain dependable despite heavy use. Downtime—whether from repairs, unscheduled maintenance, or performance issues—directly impacts revenue and customer confidence.

At the same time, rental companies must balance performance with the need to keep maintenance requirements low. Fast turnaround between hires is a competitive advantage, making simplicity, serviceability, and operational efficiency central to fleet management. Equipment that is intuitive for both technicians and end-users reduces training time, minimizes support calls, and helps ensure smooth operation in the field.

With competitive pressure increasing and customer expectations rising, achieving a fast return on investment is more important than ever. Power rental companies need solutions that deliver consistent performance, require minimal upkeep, and can be deployed repeatedly without compromising reliability. Investments must support long-term fleet value—from reducing lifecycle costs to helping providers meet regulatory standards, performance guarantees, and the growing demand for proactive system validation.

In a sector where reliability, uptime, and customer trust define success, choosing robust, versatile, and rental-ready equipment is not just an operational necessity—it's a strategic advantage.

LOAD BANKS FOR THE RENTAL SECTOR

Leading rental providers turn to Avtron load banks — the industry’s trusted solution for delivering safe, controlled, and highly realistic electrical loads across commissioning, maintenance, and temporary power applications. Avtron’s range of air-cooled and liquid-cooled load banks enables rental fleets to simulate true operating conditions for generators, UPS systems, and energy storage equipment in the field. By applying full-load stress under real-world conditions, Avtron load banks help expose issues early, validate equipment performance, and ensure customers’ power systems are fully proven before critical operations begin.

KEY LOAD BANK RENTAL APPLICATIONS



**GENERATOR
COMMISSIONING**



**GENERATOR
MAINTENANCE**



**UPS
TESTING**



**RENEWABLE
COMMISSIONING**



**DATA CENTRE
COMMISSIONING**



**FACILITY POWER
TESTING**



**HVAC
SIMULATION**



**FLEET
MAINTENANCE**



**LIQUID COOLED SERVER
SIMULATION**

EXCELLENT RETURN ON INVESTMENT

From maximizing equipment utilization and reducing costly downtime to protecting generators through proper testing and commissioning, load banks help extend asset life and enhance reliability for your customers. By offering load bank solutions, rental providers can unlock new revenue opportunities, increase customer confidence, and differentiate their services—turning a critical testing requirement into a profitable, value-added offering.

High Demand	• Growing need for generator testing across data centers, construction, telecoms, healthcare, and utilities • Frequent commissioning and maintenance cycles drive repeat hire revenue • Increasing focus on resilience and compliance boosts testing demand
Low Maintenance	• Rugged, durable equipment built for repeated rental cycles • Minimal servicing requirements reduce fleet downtime • Reliability means fewer unexpected failures or repair costs
High Utilisation	• Suitable for multiple applications: generators, UPS, battery storage, microgrids, renewable integration • Year-round use across diverse industries • Easy to redeploy quickly between customers
Fast Deployment	• Fast setup means more rentals per unit per year • Intuitive controls reduce training time and staffing costs • Efficient testing = quicker customer turnover = more revenue



KEY SECTORS

Across multiple industries, reliable power testing is essential to protect operations, ensure compliance, and support growth. Avtron load banks provide a proven, flexible solution that rental companies can deploy across a wide range of high-demand sectors. From mission-critical facilities to rapidly expanding energy markets, investing in load banks enables rental providers to meet customer needs while maximising utilisation and return on asset value.



DATA CENTRES

Data centres are one of the fastest-growing infrastructure sectors globally, driven by cloud computing, AI, and increasing data demand. Avtron load banks enable comprehensive testing of standby generators, UPS systems, and power distribution infrastructure under real-world conditions, ensuring resilience and uptime. For rental companies, load banks provide a critical, repeat-use solution that supports commissioning, expansion, and ongoing maintenance in this high-growth, mission-critical environment.



HEALTHCARE

Hospitals and healthcare facilities depend on continuous, reliable power to protect patient safety and maintain essential services. Avtron load banks allow healthcare providers to regularly test emergency power systems without risking live operations, ensuring compliance with regulatory standards. Rental load banks offer a flexible, cost-effective solution for routine testing, system upgrades, and contingency planning across healthcare estates.



RENEWABLES

The rapid expansion of renewable energy sources such as wind, solar, and energy storage has increased the need for reliable power testing and grid integration support. Avtron load banks help validate generators, inverters, battery systems, and hybrid power solutions by safely absorbing and managing variable loads. For rental fleets, load banks are ideal assets that support commissioning, performance testing, and maintenance across evolving renewable installations.



COMMERCIAL & INDUSTRIAL

Commercial and industrial facilities rely on backup power to protect operations, productivity, and revenue during outages or maintenance periods. Avtron load banks support load testing of generators and power systems during commissioning, routine servicing, and system upgrades. For rental companies, they offer a versatile, high-demand product that services a wide range of industries—from manufacturing and logistics to offices and retail complexes.

AVTRON - MADE FOR RENTAL

Avtron load banks are engineered with the rental market in mind, delivering durability, simplicity, and reliability where utilization matters most. Built to withstand frequent transport, rapid deployment, and demanding site conditions, Avtron load banks feature rugged construction, intuitive controls, and low-maintenance designs that minimize downtime between rentals. With scalable capacities and configurations that pair seamlessly with generator fleets, Avtron enables rental companies to maximize asset utilization, streamline operations, and confidently support their customers' critical power testing needs.



RUGGED & ROBUST

Avtron load banks are engineered to withstand the tough handling, frequent transport, and harsh environments typical in the rental market. Heavy-duty construction, quality components, and protective finishes ensure long service life and reduced downtime.



SIMPLE & RELIABLE

Designed with ease of use in mind, Avtron load banks offer straightforward operation with dependable performance. Proven designs and intuitive interfaces help rental customers deploy equipment quickly and confidently, shift after shift.



FLEXIBLE CONFIGURATIONS

Avtron offers a wide range of load bank configurations to suit diverse rental applications. Power ratings, voltages, enclosures, and controls can be tailored to meet varying customer requirements and evolving fleet needs.



AIR AND LIQUID-COOLED SOLUTIONS

Whether air-cooled for portability or liquid-cooled for high power density and tight spaces, Avtron provides the right cooling solution for the job. This flexibility allows rental companies to support a wide range of test environments and industries.



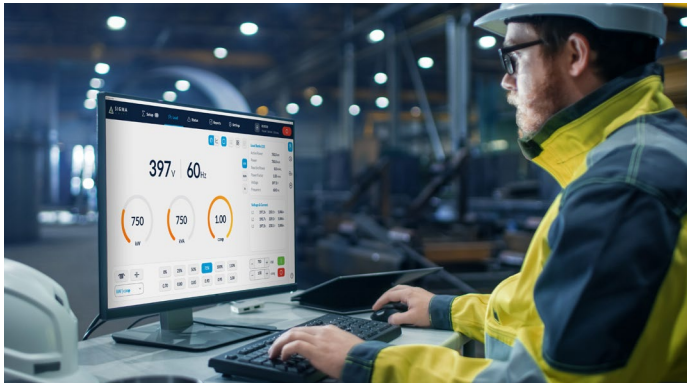
ACCURATE & REPEATABLE

Avtron load banks deliver precise load control and consistent performance for dependable testing results. Repeatability ensures users can trust measurements across multiple rentals, projects, and locations.



PROVEN ENGINEERING

Built on decades of load bank design and manufacturing experience, Avtron products reflect proven engineering practices. Each solution is developed for durability, safety, and performance in real-world rental applications.



CONTROL EXCELLENCE

Advanced control options enable precise load steps, clear monitoring, and safe operation. From local controls to remote and automated solutions, Avtron delivers the control flexibility rental customers expect.



GLOBAL TRAINING OPTIONS

Avtron supports rental partners with training programs designed to build product knowledge and operational confidence. Global training options help ensure consistent use, maintenance, and support wherever the equipment is deployed.

OUR LOAD BANK PORTFOLIO

	SERIES	Electrical Characteristic	Physical Characteristic	Capacity	Voltage	Weight	Control	Certification	Construction
	1000	Resistive	Radiator-Mount	10 - 1500 kW	208 - 600V	Custom, dependent on core dims from generator radiator	Manual Toggle	UL, ULC Listed	Bolted and Riveted
	2000	Resistive	Portable	25 - 700 kW	120 - 600V, DC also available	30 - 1150 lbs. [14 - 522 kg]	SIGMA LT	UL, ULC Listed	Bolted and Riveted
	3000	Resistive	Portable or Permanent	100 - 2200 kW	380 - 690V	397 - 5269 lbs. [180 - 2390 kg]	SIGMA LT or SIGMA 2	CE, IEC, IP54	Welded Monocoque
	3000 LTR	Resistive	Portable or Permanent	125 - 1250 kW	400 - 480V	552 - 3307 lbs. [250 - 1500 kg]	SIGMA LT	IP 55	Welded Monocoque
	4000	Resistive	Permanent	50 - 4000 kW	400 - 600V	485 - 9590 lbs. [220 - 4350 kg]	SIGMA LT or SIGMA 2	UL, ULC Listed	Bolted and Riveted
	5000	Resistive	Trailer-Mounted	200 - 3000 kW	400 - 600V	5511 - 11023 lbs. [2500 - 5000 kg]	SIGMA LT or SIGMA 2	UL, ULC Listed	Bolted and Riveted
	6000	Inductive, Capacitive, Resistive/Reactive	Permanent or Trailer-Mounted	100 - 2200 kVA	380 - 690V	3925 - 11023 lbs. [1780 - 5000 kg]	SIGMA 2	CE, IEC, IP54	Welded Monocoque
	7000	Inductive, Capacitive, Resistive/Reactive	Permanent	375 - 6250 kVA	120 - 600V	Model dependent	Manual Toggle or SIGMA 2	N/A	Bolted and Riveted
	8000	Resistive, Resistive/Reactive, Medium Voltage	Container	1600 - 6000 kW / 2000 - 6000 kVA	380 - 690V, MV available	18740 - 44092 lbs. [8500 - 20000 kg]	SIGMA 2	CE, IEC, IP54	ISO Containerized
	9000	Resistive, Medium Voltage	Permanent	500 - 7500 kW	5 - 15 kV	Model dependent	SIGMA 2	N/A	Bolted and Riveted
	Liquid Cooled (LC)	Resistive	Portable	500, 720 kW	400, 415, 480V	1763 - 2609 lbs. [800 - 1183 kg] tanks empty	Rx LB Control or SIGMA LT	N/A	Bolted and Riveted or Welded Monocoque

Contact Us:

We have Global Support Network ready to speak to you about your load bank requirements. To find out more or to speak to your local representative, please contact us.



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