



Avtron 1000 SERIES Radiator Mount Load Banks



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AVTRON
POWER SOLUTIONS

Avtron 1000 SERIES Load Banks

Avtron 1000 SERIES resistive load banks mount on engine-generator radiators for simple, compact load solutions.

Featuring rugged, heavy-duty construction, 1000 SERIES load banks are designed for continuous use. They are built to withstand the rigors of varying climatic conditions. Unlike other types of load banks, they are designed without fans because they are cooled by airflow from the engine-generator on which they mount.

Models from 10 to 1500kW are available for wide range of voltages. 1000 SERIES load banks are suited for mission-critical, data center, power generation, generator sets, and factory testing.



Model 1100 Load Bank

Product Knowledge

[Load Bank Overview Brochure](#)

[Radiator Mounted Load Banks](#)

- Resistive Only
- Capacities from 10 to 1500kW
- Manual Control, Auto Load Control
- Radiator or Duct-Mounted

1000 SERIES Features

Unique features optimize Avtron 1000 SERIES Load Banks for radiator or duct-mounted applications.



Model 1100 Load Bank

- 1

Avtron designs and manufactures Helidyne Resistor Elements to provide extended, reliable performance. Corrosion-resistant chromium alloy provides years of trouble-free service.
- 2

Control Circuits require 120V, Single Phase, 60 Hz power.
- 3

Branch Circuit Fuse Protection limits fault current and protects components during phase-to-phase or phase-to-ground shorts.
- 4

Load Cable Input Block connects incoming power cables.
- 5

Ground Stud wired to the chassis.
- 6

Aluminized Steel Construction with Powder Coat Paint Finish provides superior heat deflection and corrosion protection.
- 7

For outdoor models, louvers direct hot air stream downward and away from personnel.
- 8

Integral lifting eyes enable quick installation on generator set radiator.

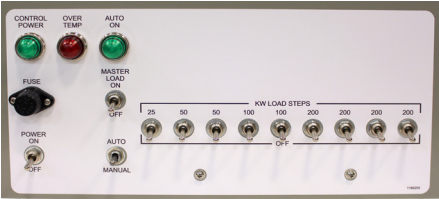


The Avtron 1000 SERIES radiator-mounted load banks are a great solution for under loaded generators.

Load Bank Control

Local or Remote Manual Control: Manual control can be provided on a local panel on the load bank or as a remote panel for mounting on switchgear or in a wall-mount enclosure.

Available Automatic Load Control: Automatically applies a minimum load on the generator set. Options includes a loose current transformer (used to monitor facility load) and controller which is mounted in load bank.



Standard, 19" rack-mount, remote manual control panel shown. Offers power on/off selection, master load on/off control, and individual load step switches.

Available digital controls interface with Modbus network.

1000 SERIES Specifications

Model Name	Capacity (kW)	Frequencies Available (Hz)	Voltage Range (V)	Ambient Temperature Range	Hot Air Discharge Direction	UL Listed	Control Options	Optional Extras
1100	10-900	50, 60	208-600	-20°F to +120°F	Horizontal	Yes	Remote, Local Manual Control, Pilot Relays, Remote I/O, PLC, CPMA	Control Power Transformer, Digital Metering, Auto Load Control
1500	10-600	60	208-600	-20°F to +120°F	Vertical (<i>generator rooftop mounted</i>)	Yes	Remote, Local Manual Control, Pilot Relays, Remote I/O, PLC, CPMA	Control Power Transformer, Digital Metering, Auto Load Control
1900	1000-1500	50, 60	400-600	-20°F to +120°F	Horizontal	*	Remote, Local Manual Control, Pilot Relays, Remote I/O, PLC, CPMA	Control Power Transformer, Digital Metering, Auto Load Control

* Note: UL listing for Model 1900 applies to load banks rated 1000kW and below.

1000 SERIES Models

Avtron 1000 SERIES Load Banks are available in the following configurations and can be customized for specific applications.

Radiator Mounted



1100 | 10-900 kW

1900 | 1000-1500 kW

Generator Rooftop Mounted



1500 | 10-600 kW

Follow the links to web page for each model.



The Avtron 1000 SERIES Load Banks utilize radiator airflow to cool load elements, reducing size and cost.



www.avtronpower.com

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