GINO AG

Elektrotechnische Fabrik

LOAD COMPACT 100 (GLC 100)

Product Data Leaflet

1 General information

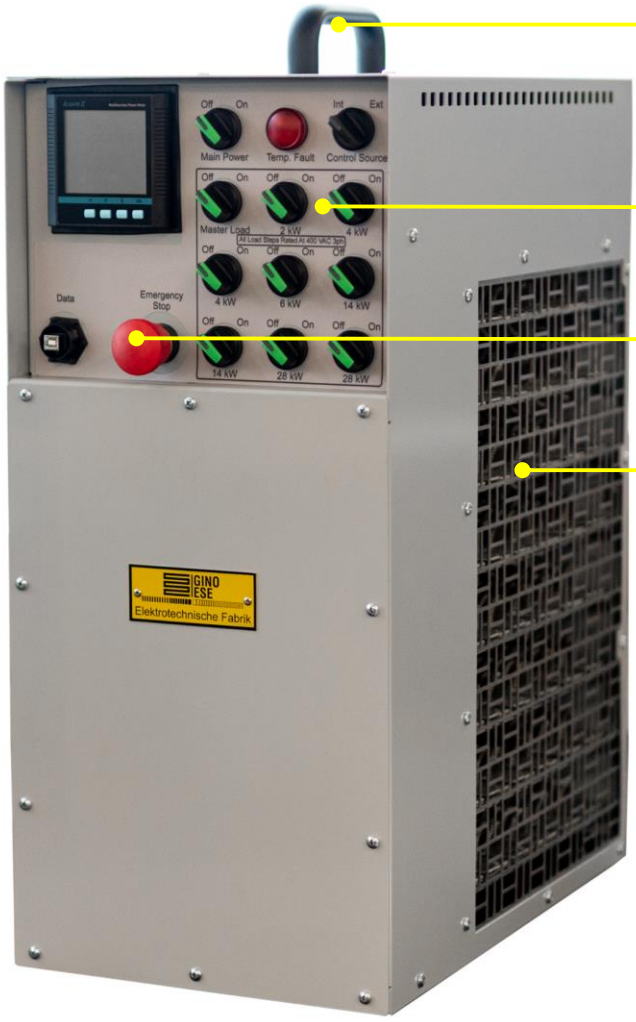
Load- and test resistors are used for inspecting, maintaining and testing of power sources like generators. In addition, it is often a legal requirement that uninterruptible Power Supply (UPS) are subject to a monthly test run to ensure trouble-free operation in the event of an emergency. Especially in public buildings or high-security facilities, a functional UPS is absolutely essential. All data centers, shopping malls, prisons or even hospitals (to name just a few) have an UPS.

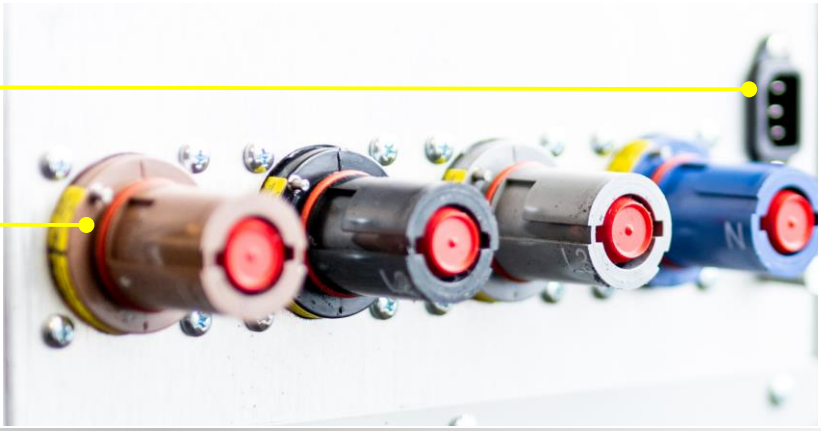
Compact dimensions and high flexibility due to a mobile design are very important requirements, especially in public buildings or data centers. The new 100 kW load bank is designed exactly for these applications.

Typical applications of load and test resistors:

- Generator maintenance
- Trouble-free power supplies
- Data centers
- Renewable energies
- Test fields

2 Design overview





3 System information

Simple operation

The load bank will be operated via switches directly on the device. The power can be preselected with an accuracy of 2kW and transferred to the test device with the LOAD TRANSFER switch. The measured voltage, current, power and frequency are indicated on the display.

Simple and safe load connection

The load connection is made by means of standard plug-in system. This ensures a fast and safe connection to the load bank. Alternatively the connection can be made by using simple connection bolts. In addition, it is possible to purchase prefabricated connection cables in various lengths.

Main features

- 100 kW / per unit
- Mobile / compact design
- Simple / clear operation
- Measurement and indication of the main parameters
- Safe / simple load connection
- Low noise level due to the use of noise optimized fans
- Constant power range due to the low temperature coefficient of the resistor material
- 230 V auxiliary voltage for the control system and the fans
  (Internal or external supply is possible)
- Low operating temperatures ensure safe and long-term operation
- Temperature monitoring of the air outlet
- Safe and easy transport by portable and robust transport box

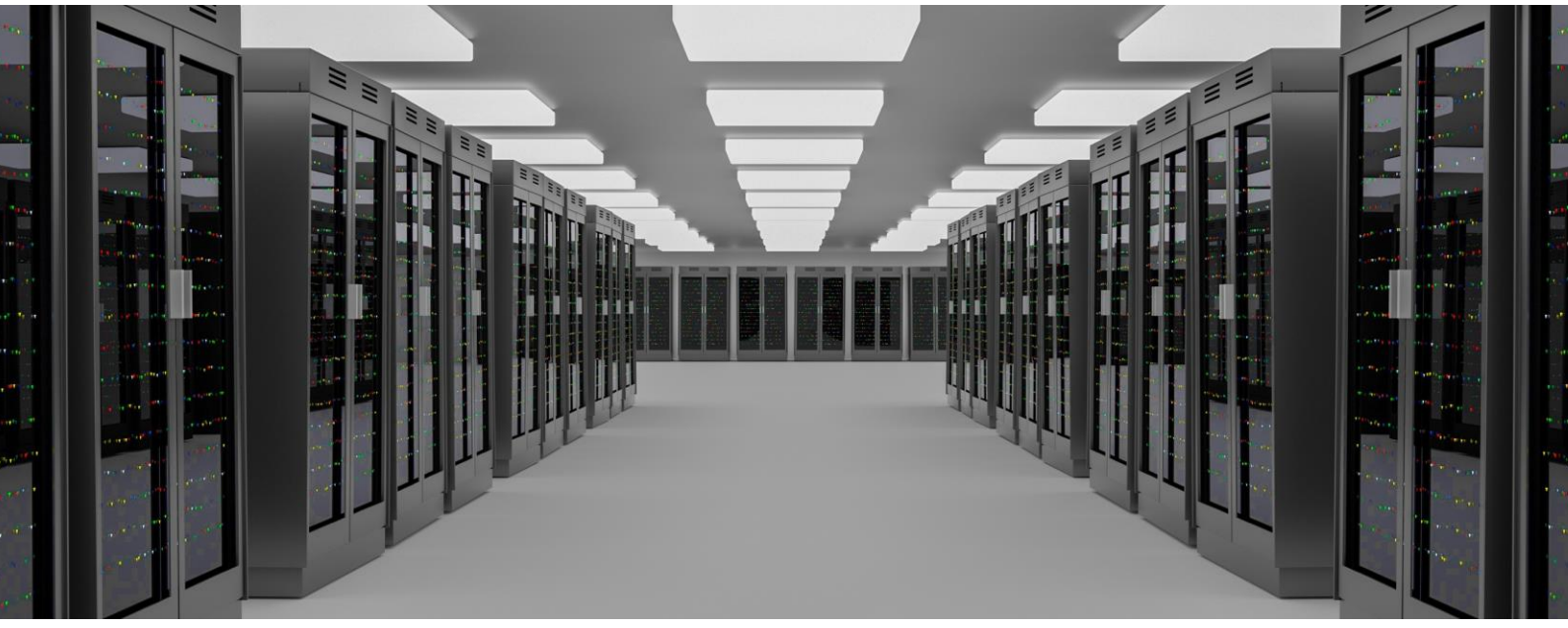
4 Technical data

- Load voltage [V]: 3~ 400
- Auxiliary voltage [V]: 1~ 230
- Frequency [Hz]: 50 / 60
- Total power [kW]: 100
- Gradation [kW]: 2
- Sound level [dB]: ~85
- Degree of protection: IP21

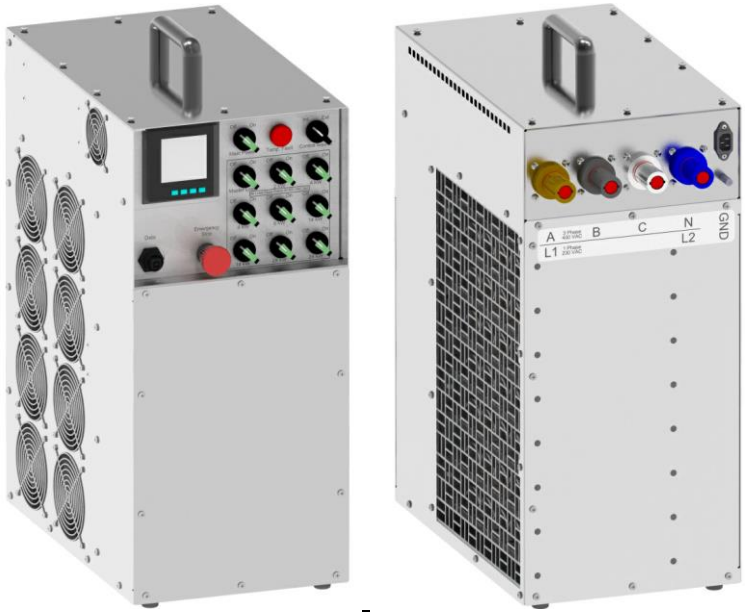
- Dimensions (LxWxH) [mm]: 652 x 308 x 718
- Weight [kg]: 31
- Dimensions incl. transportation box (LxWxH) [mm]: 740 x 430 x 860
- Weight incl. transportation box [kg]: 48

5 Optional accessories

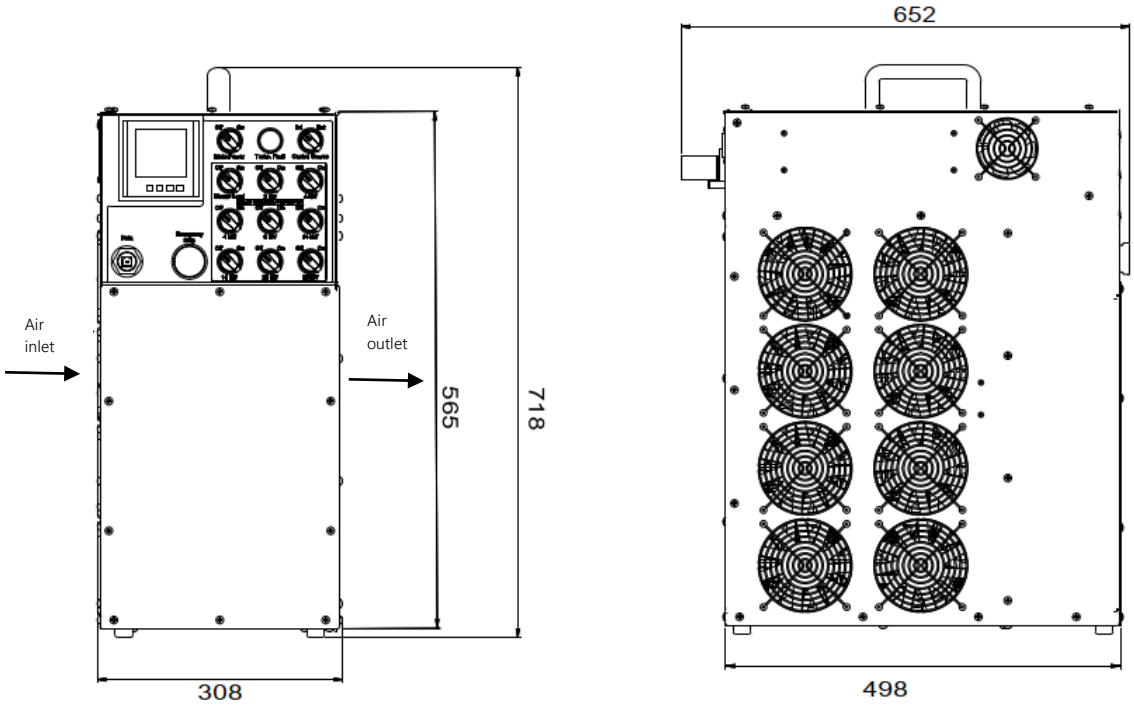
- Cable set for interconnection of several load banks
- Cable set for load connection in different lengths
- Housing design for outdoor installation
- Load connection by standard bolt terminals
- External monitoring device / datalogger



6 General arrangement

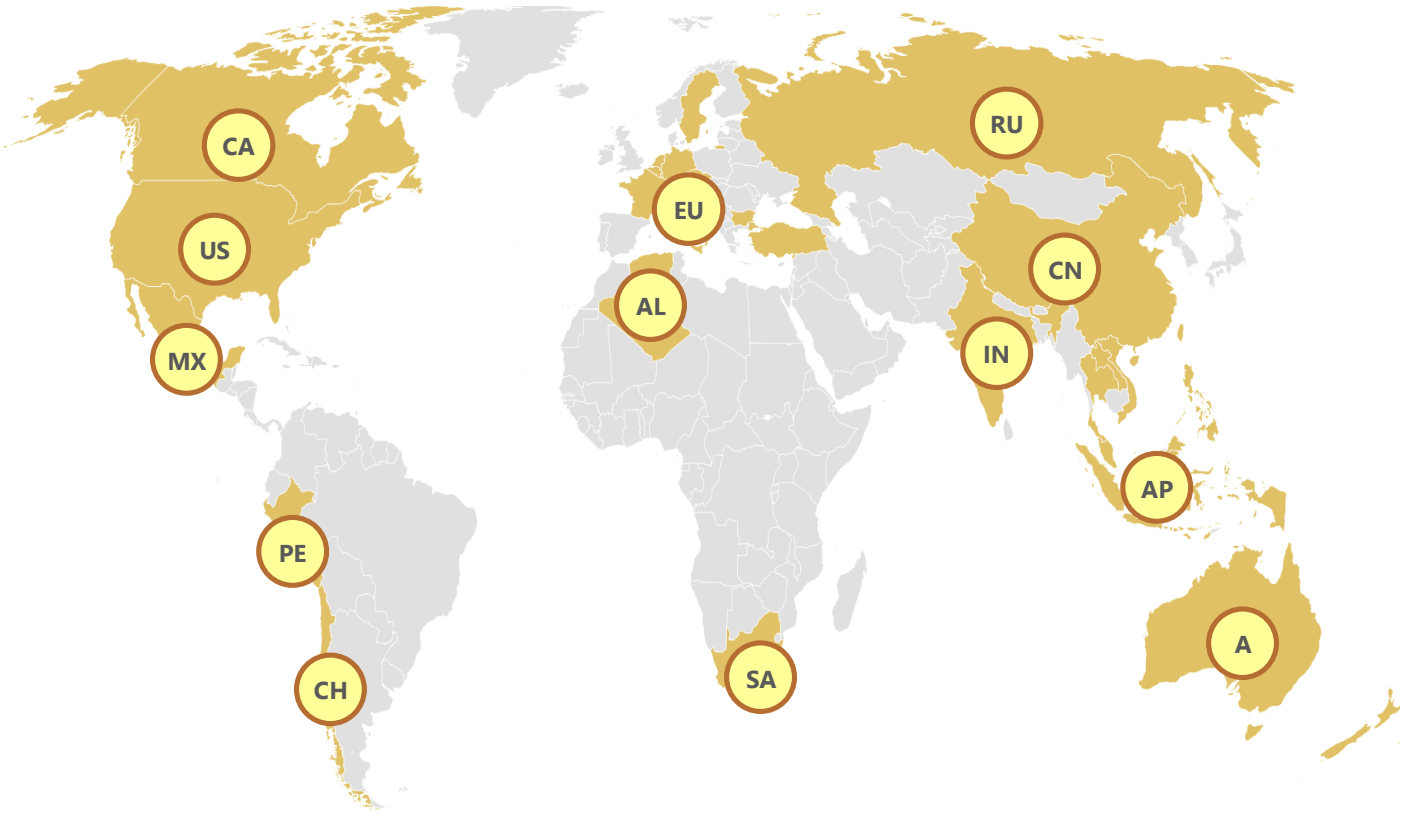


3D model



Dimensional drawing

GINO Representatives



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