

100kW PORTABLE RESISTIVE LOAD BANK DATA SHEET

The lightweight and portable 100kW load bank suitable for generator and UPS testing.

Fortress Resistors' X100LT-AUS load bank provides a continuous load of 100kW at 415Vac 50Hz in a compact, lightweight, and portable enclosure. The digital meter allows you to measure power, voltage, current and frequency while also allowing you to record the data as you conduct your testing.

The X100LT-AUS is one of the lightest 100kW load banks on the market which will enable you to access locations you cannot reach with other load banks. Each unit comes standard with a hard carry case for transport.

Power and Neutral connections are easily made to 400A PowerLock Panel Drain Connectors that match Line Source Connectors commonly used in Australia and New Zealand. Earth connection via grounding lug.

The load is wye connected and the neutral is brought out to a connector to allow for the testing of single phase loads up to 33kW at 240Vac 50Hz, in addition to 3 phase loads. Auxiliary power of 240Vac is used for fan and control power. The supply is selectable between internal (Int) and external (Ext). If using an external source use type S or type SJ jacketed cord to a wall connection. Cord and service rated to 10A minimum. Otherwise ensure the the control source switch is set to 'Int'. See item 7 in Construction below.

You will be up and testing within moments of connecting your power source.

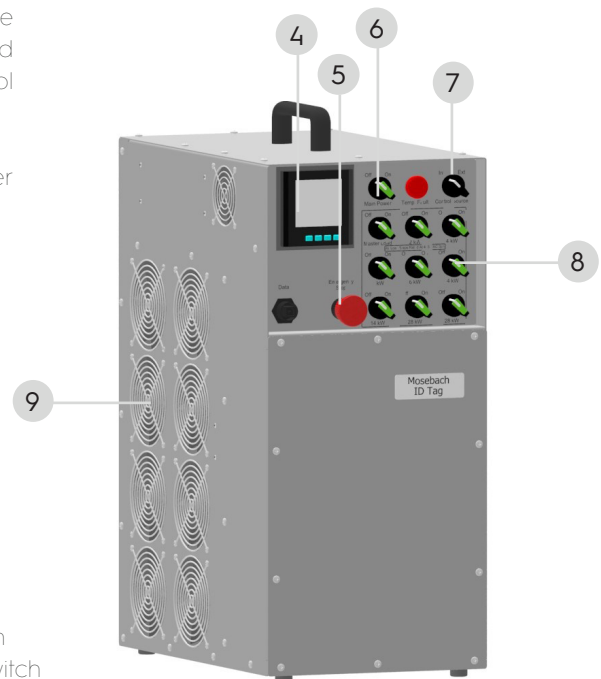
RATING

- 415Vac 3 Phase 50Hz
- 100kW with 2kW resolution
- 240Vac 1 Phase 50Hz
- 33.3kW with 0.67kW resolution

CONSTRUCTION

- Painted aluminium enclosure with carry handle
- Total weight of only 31.3 kg
- Dimensions 308 x 498 x 718H (mm)

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|------------------------------------|--------------------------|
| 1. Over Temperature Indicator | 6. Main Power Switch |
| 2. Load Step Master Switch | 7. Control Source Switch |
| 3. Power Meter USB Type-B Dataport | 8. Load Step Switches |
| 4. Power Meter | 9. Air Inlet |
| 5. E-Stop | |



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CONNECTIONS

- Power connections via heavy duty PowerLock 400A connectors
- 240Vac auxiliary power is provided via a separate 10A inlet suitable for a type S or type SJ jacketed cord
- Dataport connection via a USB Type-B cable

CONTROLS

- Control Source Int/Ext switch
- Main Power on/off switch allows power to the fans and meter
- Master Load on/off switch to control load steps
- Illuminated load switches allow you to select the load in 2kW (3 Phase) increments

METER AND DATA

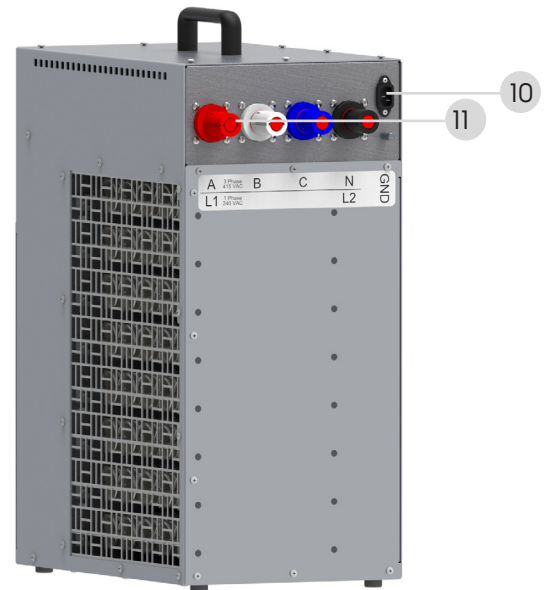
- The digital meter indicates power, current, voltage and frequency with the touch of a button
- The dataport allows you to record the testing to your laptop

SAFETY

- Emergency stop push button
- Over temperature and voltage indication lights
- Solid earth connection via cable lug
- Control and power fusing

OPTIONS

- Set of PowerLock Line Source Connectors
- Cable sets available in 5, 10 or 20m lengths with PowerLock Line Source Connectors



- 10. 10A Type S or Type SJ cord
- 11. PowerLock 400A Panel Drain Connector