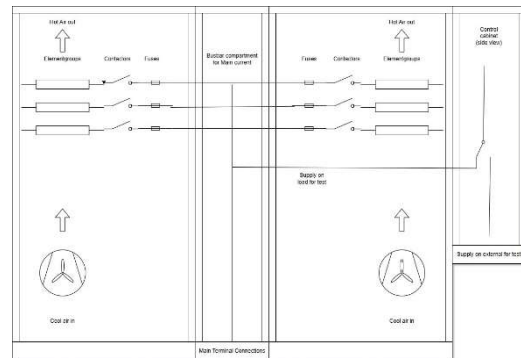


The **Ukana UVL series loadbanks** is a custom series loadbanks ranging from 1500 – 3000kW in a modular easy to transport cabinet. Build out of tunnels.

The voltage selection goes from 230 till 480, 50 and 60hz depending on customer request.

With vertical ventilation



System overview dual cabinet unit



Example of standard 1000kW unit

Loadbank enclosure:

The cabinet is constructed of a durable steel frame with plating, included in the frame two forklift channels for easy transportation.

Designed for outdoor operation and weatherproof the cabinet is powder coated RAL 7016, industrial finish approx. 80 µm. Optional a galvanized or stainless steel finish is possible.

All used cabinet locks and fasteners are standard stainless steel. The elements bays easy accessible and the control system behind a IP44 door. The cable entry is at the bottom in a spacious bay covered by a door.

Load connections:

A tinned copper bar system to connect the cable lugs, prepared with 12.5mm holes.

The load connection is in the middle of the machine, with the control cabinet above.

Optional an easy connect Powerlock rack can be integrated.



Optional powerlocks

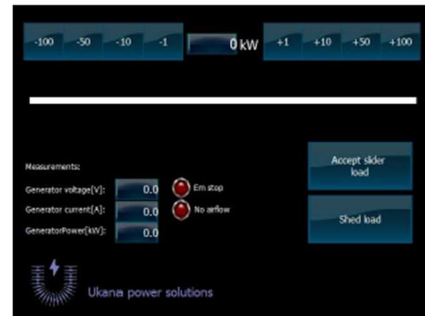
The UVL series has a vertical windtunnel, cool air will be drawn in to the machine at the bottom of the machine and will exit through the roof of the machine.

Approximately 35.000 m³/h air per tunnel to cool the elements.

The motors are IEC high efficiency.

Control system:

Our units are equipped with an easy to use screen behind a closed cabinet door. Easy buttons, easy to operate. Optional we can equip our unit with a remote control app on your phone or tablet, a wired remote control with cable reel or ModBus control for integration in your own control programs.



Easy to use cabinet control

We advise to use an external power supply for the controls and fan. This to ensure ventilation of the elements when the test load fails.

What about safety:

Standard our fans are equipped with a safety feature which prevents the machine to operate without proper airflow.

Next to that there is an overtemperature sensor installed to sense the exhaust temperature air. If there is an overheat situation the machine will shutdown automatically. The cabinet has an external emergency stop.

The suction side of the machine has a grid which prevents ingestion of objects into the machine, the hot air is blown up out of the machine which doesn't create a hotzone around the machine.

All loadsteps, fan motors and control system are separately fused.

Specifications:

Loadbank setup:	Vertical
Dimensions (approx):	1650mm length x 2100mm width x 2300mm high
Weight (approx):	1400kg
Documentation	Operations manual, schematics
Control:	Touchscreen, other options available
Control power:	Internal on load connection or external power socket
Safety:	Airflow sensor, Exhaust temp high, Emergency stop
Ambient Temperature	-20C - 50C
Quality control	All loadbanks are CE approved and to ISO9001 standards. All machines are FAT tested.
Options:	- Wireless Control WiFi app - Wired remote control - Power lock cable entry - Customers presence during FAT test - Exhaust hoods

The custom UVL series loadbank is configured on customer request, specifications may vary on request