

Load banks



Load bank specifications

A load bank will give you all the information you need about the performance of your unit or system under full or partial load. We have a range of smaller load bank hire solutions with robust modular chassis/canopy construction for single or three phase testing up to 1000 kW per unit, 10-foot containers for 3000 kW and 20-foot containers for 5000 kW. These units can test AC supplies at unity or variable power factor, along with battery discharge and UPS units.

Our larger units can perform resistive and reactive testing of generators and power supplies, handling up to 480 V and 6 MVA each.

There is 690 V and HV testing without a transformer, and the units can have unity or variable power factor. Multiple units can easily be linked. Housed in robust ISO containers, the units are mobile and come with all the ancillaries you'll need.



Load banks

Technical information

| Model | | LB 200 | LB 1000 | LB 1500 | LB 3000 | LB 6000 | LB 6000-690 |
|-------------------------------|-----|------------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Type | - | Resistive | Resistive | Resistive / Inductive | Resistive / Inductive | Resistive / Inductive | Resistive / Inductive |
| Power capacity ¹ | kVA | - | 1000 | 1042 | 2292 | 5000 | 6250 ⁴ |
| Power capacity ² | kW | 200 | 1000 | 833 | 1833 | 4000 | 5000 ⁵ |
| Aux supply | V | 230, single phase, 16A | 380-420 | 380-420 | 380-420 | 380-420 | 380-420 |
| Power factor | - | 1 | 1 | 0.1-1.0 | 0.1-1.0 | 0.1-1.0 | 0.1-1.0 |
| External fan & control supply | - | - | 5 pole 32 Amp CEE | 5 pole 32 Amp CEE | 5 pole 63 Amp CEE | 5 pole 125 Amp CEE | 5 pole 125 Amp CEE |
| Airflow | - | Horizontal | Horizontal | Vertical | Vertical | Vertical | Vertical |
| Enclosure | - | Mounted on wheels | Fork base | Fork base | ISO 10ft | ISO 20ft | ISO 20 ft |
| Connection points | - | PL*, 400A, single pole | M12 | M12 | M12 | M12 | 12xM12 |
| Dimensions [LxWxH] | mm | 1137x870x903 | 2340x1540x2075 | 3050x1852x2460 | 2991x2438x2591 | 6058x2438x2591 | 6058x2438x2591 |
| Weight | kg | 300 | 1420 | 5150 | 9000 | 17000 | 16500 |
| Forklift pockets | - | Yes | Yes | Yes | Yes | Yes | Yes |
| Max. Sound level ³ | dBA | 69 | 73 | 79 | 85 | 88 | 88 |

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Power capacity at 50Hz, 400V, 0.8pf
2. Power capacity at 50Hz, 400V, 1pf
3. Sound levels given at 3m 50Hz
4. @ 690V, 0.8pf
5. 690V, 1.0pf
6. @ 690V

* Power Lock



We're here
to help

pen
ENERGY RENTAL

