

DC600 Series

DC600 Load bank



Light weight, compact load bank providing 30kW of load capacity; 600A from a 50V source.

Key features

Portability

Lightweight enclosure manufactured from aluminium and fitted with two handles on the top of the enclosure and two fixed position castors for manoeuvrability.

Easy to use

Load banks are supplied with two power cables with quick release connectors. Included with the unit is one set of (2 x) 2x70mm² cable, 2.5m long with M10 lugs for supply side connection.

Precise control

10 switched load steps including a 5A fully variable section give the load bank precise control from 0.6A to 600A.

Current measurement

The control circuit can be supplied from an external source. When this is done the load bank can be used to test DC supplies with any output voltage from 1V to 50V, with the current drawn proportional according to Ohm's law.

Optional extras

- **Additional supply cables** – available in 5m lengths as standard or made to custom length if requested, with supply side connection method to suit the intended use.
- **Protective PVC cover** - available for protection during transport or storage.



Ratings

Voltage, V DC	50
Maximum capacity, kW	30
Current range, A	0.6 to 600

Control and ventilation

Manual controls	10 x on/off push buttons (load sections and control) 7 x Load section toggle switch 1 x Rheostat variable section control
Control interface	Manual controls (described above) 5 x load section and control indicator lamps
Cooling	Forced convection, horizontal orientation
Fan(s)	2 x DC axial type
Control supply	48V DC
Source	Internal (supply under test) or external supply (automatic, when connected)

Connection interfaces

Load controls	2 x load connection sockets (1 cable set included)
External control supply	1 x connection socket

Safety

Electrical protection	Over current and short circuit fuse protection
Thermal protection	Over temperature thermostat cut out

Operating environment

Suitable for	Indoor use only
Ambient temperature	-10°C to 50°C
Humidity	95% RH
Ingress protection	IP20

Construction

Resistor elements	Expanded mesh and wound steel tape
Element material	High grade stainless steel
Enclosure	Aluminium; painted RAL9002 grey
Portability	2 x integrated handles, 2 x fixed position castors

Weight and dimensions

See general arrangement drawing reference 161509	
Length, mm	560
Width, mm	400
Height, mm	840
Weight, kg	40

Testing and standards

Every unit is subjected to routine testing before dispatch, including functional operation, electrical insulation testing and visual inspection.

Declaration of conformity document reference: 161514



Documentation

Supplied with an operation and maintenance manual and routine test report as standard.

Training and support

Training can be provided by the manufacturer at our headquarters or on-site, please contact our support team to find out more.

Warranty

The equipment is covered by a 12-month warranty.