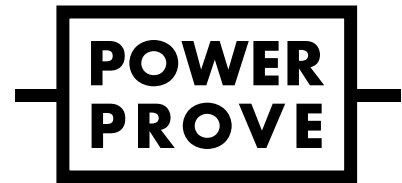


DC220 Series

DC220 Load bank



Light weight, compact load bank providing 10.5kW of load capacity; 210A from a 50V source.

Key features

Portability

Lightweight enclosure manufactured from aluminium and fitted with a carrying handle.

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) 50mm² cable, 2.5m long with M12 lugs for supply side connection.

Precise control

9 switched load steps including a fully variable section provide a load bank with precise control from 0.6A to 5A.

Current measurement

Fitted with a shunt resistor for accurate current measurement capability, the DC220 provides 2 banana plugs for connection to an external display and/or logging system.

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	10.5
Current range, A	0.6 to 210

Control and ventilation

Manual controls	9 x Load section toggle switch 1 x Rheostat variable section control
Control interface	Manual controls (described above) 1 x Current shunt with 100A/100mV ratio 1 x Audible over-temperature alarm
Cooling	Forced convection, horizontal orientation
Fan(s)	2 x DC axial type
Control supply	48V DC
Source	Internal, taken from supply under test

Connection interfaces

Load controls	2 x Quick release connectors (1 cable set included)
Measurement connections	2 x 4mm Banana sockets

Safety

Electrical protection	Over current and short circuit fuse protection
Thermal Alarm	Over temperature alarm buzzer

Operating environment

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

Construction

Resistor elements	Wound steel tape
Element material	High grade stainless steel
Enclosure	Aluminium; painted RAL9002 grey
Portability	1 x integrated carry handle

Weight and dimensions

See general arrangement drawing reference 161509	
Length, mm	540
Width, mm	310
Height, mm	500
Weight, kg	17

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: 161510



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.