

CRESSALL

data sheet

DC600



PORTABLE LOAD BANKS

50V DC, 30kW, 0.6 - 600A

Compact • Self-contained • Fully variable • Portable

Cressall's DC600 load bank is designed for testing 50V DC systems, such as batteries and uninterruptible power supplies (UPSs), at fully variable continuous rates of up to 600A.

The DC600 is cooled by four 150mm axial fans, which help to ensure a compact design, and fitted with a DC shunt for accurate current monitoring. The fan supply is taken from the test load itself, or optionally an external supply. Units are fitted with over temperature protection.

To reduce weight enclosures are manufactured from aluminium and fitted with handles and have castors to ease manoeuvrability. Load banks are supplied with two 600A (positive and negative) cables and connectors.



Capacity

Power supply: 30-50V DC

Power: max 30kW

Current range: 0.6-600A

Peak current: 600A

Fixed sections: 5, 10, 4 x 20, 100 and 2 x 200A

Variable section: 0.6-5A

Resistor

Cressall fan cooled resistor elements made from low temperature coefficient, high grade stainless steel.

Cooled by four 30-50V DC fans, taking their supply from the test load.

Overtemperature protection.

Insulating voltage 750V.

Controls

Main switch: on/off

4 push button controlled contactor switched main sections, fine control via 7 toggle switches and a rotary knob.

Indication: LED, power supply on, ready for test

Connections

Main circuit: 2 cables, 2 x 70 mm² cable with M10 lugs and quick release connectors, 2.5m long

External supply not required for 48V DC test. For lower test voltage 48V DC

Case

Blue aluminium case with mesh over air ducts, two castors

Carrying handle

Ingress protection: IP 20

Dimensions

(H-W-D) 840 x 400 x 560mm • Weight 40kg

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