

CRESSALL

data sheet

DC220



PORTABLE LOAD BANKS

50V DC, 10.5kW, 0.6 - 210A

Compact • Self-contained • Fully variable • Portable

Cressall's DC220 portable 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 210A.

The load banks are fan-cooled with four 150mm axial fans, helping 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. Units are fitted with over temperature protection.

To reduce weight enclosures are manufactured from aluminium, units are fitted with a carrying handle and castors to ease manoeuvrability. Load banks are supplied with two power cables with quick release connectors.

Capacity

Power supply: 30-50V DC

Power: 10.5 kW

Current range: 0.6-210A

Peak current: 190A@45V, 210A@50V

Fixed sections @45V: 5, 10, 20 and 5 x 30A

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

Fixed sections: 9 toggle switches

Variable section: rotary knob

Ammeter Shunt

Rating 100A/100mV

Connections

Main circuit: 2 x 50 mm² cable with M12 lugs and quick release connectors, 2.5m long

Metering circuit: 4 mm banana socket

External supply not required

Case

Blue aluminium case with mesh over air ducts on 4 omni-directional braked castors

Carrying handle

Ingress protection: IP 20

Dimensions

(H-W-D) 500 x 310 x 540mm • Weight 17kg



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