

CRESSALL

data sheet

DC110/3

DC70/3



PORTABLE LOAD BANKS

28V DC, 3kW, 0.6 - 120A

50V DC, 3kW, 0.6 - 70A

Compact • Self-contained • Fully variable • Portable

Cressall's range of 3kW portable load banks are designed for testing 28V and 50V DC systems, such as batteries and uninterruptible power supplies (UPSs), with fully variable current control.

The load banks are fan-cooled with twin 150mm axial fans, helping to ensure a compact design, and fitted with DC shunts 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. They are fitted with a carrying handle on the removable lid, which is used for cable storage. Load banks are supplied with two power cables with quick release connectors.

Capacity DC110/3

Power supply: 20-28V DC

Power: 3kW

Current range: 0.6-120A

Peak current: 120A

Fixed sections: 5, 10, 20 and 2 x 40A

Variable section: 0.6-5A

Capacity DC70/3

Power supply: 30-50V DC

Power: 3kW

Current range: 0.6-70A

Peak current: 70A

Fixed sections: 5, 2 x 10, and 2 x 20A

Variable section: 0.6-5A

Resistor

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

Cooled by two fans, taking their supply from the test load.

Overtemperature protection.

Insulating voltage 750V.

Controls

Fixed sections: 6 toggle switches

Variable section: knob

Case

Blue aluminium case with mesh over air ducts.

Carrying handle and lid with cable storage facility.

Ingress protection: IP 20

Connections

Main circuit: 2 x 25 mm² cable with M10 lugs and quick release connectors, 2.4m long

Metering circuit: 4mm banana socket

External supply not required

Ammeter shunt

Rating: 100A/100mV

Dimensions

(H-W-D) 500 x 200 x 400mm • Weight 10kg

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