

Datacentre 200kW Stackable Load Bank

Model	Description		
Country of Origin	Description		Ctackabla Transmartabla
Max Capacity - Packaged Load Bank 200kW Voltage Ranges - (Continuous Operation at Specified) 400V			•
Voltage Ranges - (Continuous Operation at Specified) 400V Operating Frequency Range 50/60Hz Test Supply Phases 3ph Load Connections Powersafe Connectors Wires (Star Connection) 3 Load-Step Resolution (@ Design Voltage 1kW Voltage Tolerance (Short Term Operation) +5% Load Element Tolerance +7-5% Elements 80/20 nickel chrome resistance wire Insulation Test 500V Auxillary Supply Voltage 220V - 240V Auxillary Supply Current 10A Operating Frequency Range 50/60Hz Phases 1ph Electrical Protection Thermal Emergency Cut Out Fan Overload Over Current Protection Emergency Stop Control Voltage Selectable - Test or Auxiliary Cooling Method Forced Air Cooling (Horizontal) Air-Flow / Temperature Rise (Approx.) 6435 m³per hour / <100°C at outlet			_
Operating Frequency Range 50/60Hz Test Supply Phases 3ph Load Connections Powersafe Connectors Wires (Star Connection) 3 Load-Step Resolution @ Design Voltage 1kW Voltage Tolerance (Short Term Operation) +5% Load Element Tolerance 4/-5% Elements 80/20 nickel chrome resistance wire Insulation Test 500V Auxillary Supply Voltage 220V - 240V Auxillary Supply Current 10A Operating Frequency Range 50/60Hz Phases 1ph Electrical Protection Thermal Emergency Cut Out Fan Overload Over Current Protection Emergency Stop Control Voltage Selectable - Test or Auxiliary Cooling Method Forced Air Cooling (Horizontal) Air-Flow / Temperature Rise (Approx.) 6435 m³per hour / <100°C at outlet			
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Voltage Tolerance (Short Term Operation)	Wires (Star Connection)		3
Load Element Tolerance	Load-Step Resolution @ Design Voltage		1kW
Elements	Voltage Tolerance (Short Term Operation)		+5%
Insulation Test	Load Element Tolerance		+/-5%
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Phases	Auxiliary Supply Current		10A
Phases			50/60Hz
Electrical Protection			1ph
Fan Overload Over Current Protection Emergency Stop Control Voltage Selectable - Test or Auxiliary Cooling Method Forced Air Cooling (Horizontal) Air-Flow / Temperature Rise (Approx.) 6435 m³per hour / <100°C at outlet Load Switching Category AC-1 Resistive Load Switching Contactor Type 3 Pole AC Contactors Rated Maximum Ambient Temperature Operation Rated Minimum Ambient Temperature Operation Rated Minimum Relative Humidity 9500% RH Altitude Rating <500m [m.a.s.l.] Noise level (Approx. @ 1m Free Field) 83dBA @ 50Hz Enclosure Material Sheet Steel Finish RAL9002 Grey White Control Chamber IP Rating IP55 Lifting Fork Lift Pockets Protection Frame Heavy Duty Rubber Bumper Pack Enclosure Dimensions Length (Approx.) mm 1159 Width (Approx.) mm 876 Height (Approx.) mm 983 Total Weight (Approx.) kg 275 Load Bank Control Systems Control Extension Cable 5000000000000000000000000000000000000	Electrical Protection		·
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- Control Extension Cable 10m			
	Optional Extras:		Extendable
- Control Extension Cable 20m			10m
	- Control Extension Cable		20m

200kW AC Stackable - June 24 (Changes to specification may vary without notice)



The Crestchic Versatile Control System, VCS, is an easy-to-use manual control system for small to medium resistive-only loadbanks. An advanced microprocessor-based system, VCS can be used to control single voltage loadbanks, or multiple units in parallel with the self-powered LC10 handheld controller. VCS offers the user the ability to set kW loads, whilst accurately displaying applied Power (kW) and Current (A) from the onboard instrumentation module. Loads can be applied in three different ways:

Follow

This application setting is perfect for data centre heatload testing, as the entire load is evenly distributed across all loadbanks generating an equal heat-load for commissioning purposes.

Proportional

Any given load is precisely applied across multiple loadbanks even when the total kW amount is not evenly divisible across the number of loadbanks in use. Ideal for high precision total load, or where the loadbanks in use are of unequal size.

Overflow

A traditional control set-up for load testing generators, whereby the load is applied to the first loadbank until its capacity is reached, before applying the remaining load to the next loadbank(s) in-line, until maximum selected load is reached.

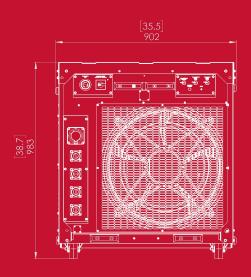


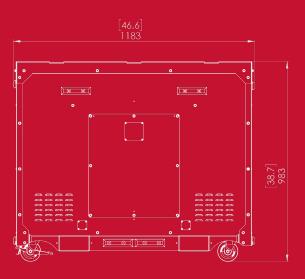


Key Features:

- AC loadbank control system for resistive-only operation (kW)
- Single or multiple loadbank operation from an individual controller (up to 20 loadbanks or 4.0MW)
- Automatic IP assignment of each loadbank to the controller
- Multiple load sharing programme: Follow, Proportional and Overflow
- Typical load resolution of 1kW across the loadbank range
- 0 to 100% load application or load rejection
- Load application in kW or Amps
- Display of Ph-N voltage with kW and Current, both per phase and total
- Ethernet 10/100 BASE-T communication to loadbanks

Front View Side View





Quality without compromise

Our load banks are characterised by one thing above all: quality. At every stage of our supply chain, from raw material to finished item, we work with established, worldclass suppliers and implement our own uncompromising quality control processes to ensure that our products perform better and last longer.





For further information contact: Crestchic (UK) Limited Second Avenue, Centrum 100 Burton-on-Trent, DE14 2WF

United Kingdom

Tel +44 (0) 1283 531645 sales.uk@crestchic.com hires.uk@crestchic.com

www.crestchicloadbanks.com

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