2KW-DC380V

Rack-Mounted DC Resistive Load Bank (Rack Load)

DC380V/R DC Load Technical Description

Our 2KW-AC/DC-PTC rack-mounted load bank is a high-power-density rack-mounted test load designed specifically for standard 19-inch rack environments in IDC data centers.

Technical Requirements

- Rated voltage: DC380V
- Rated power: 2KW.
- Control mode: MCB - DC contactor.
- Control supply: single-phase AC220V/50HZ.
- Cooling: forced air cooling (front intake, rear exhaust).
- Display: current.
- Loading: power stages switched in and out: 500W, 500W; 1KW.
- Protection: overtemperature.



Solution

Load enclosure: W*H*D=430*133*450

Display section: current display.

Control section: the MCB controls DC contactors; the closing switches are 500W, 500W and 1KW.

Cooling: forced air cooling using 2 axial fans (front intake, rear exhaust).

Load input section: located at the rear of the enclosure. The control supply is also at the rear (Chinese national-standard C14 inlet).

Dimensions

W mm	H mm	D mm
430	133	450

Power Cord / Connector Options

Various specifications for use in different countries and industries.

01 Chinese-standard cable

3*1.5 mm²



Wire size	3×1.5 mm²
Length	Customizable (standard 1.5 m)
Plug type	Chinese-standard 3-pin
Region	Mainland China
Devices	General equipment; rack equipment

02 C13 C14 European cable

3*1.5 mm²



Wire size	3×1.5 mm²
Length	Customizable (standard 1.5 m)
Plug type	C14 male
Socket type	C13 female
Region	European / universal
Devices	IT equipment, servers, monitors, etc.

03 C13 C20 cable

3*1.5 mm²



Wire size	3×1.5 mm²
Length	Customizable (standard 1.5 m)
Plug type	C20 male
Socket type	C13 female
Region	Universal
Devices	High-power equipment; rack equipment

04 C19 C20 cable

3*1.5 mm²



Wire size	3×1.5 mm²
Length	Customizable (standard 1.5 m)
Plug type	C20 male
Socket type	C19 female
Region	Universal
Devices	Servers; industrial equipment; high-power applications

05 63A industrial connector

(customized on request)



Current	63 A
Voltage	380-415 V (customizable)
Length	Customizable
Use	Three-phase high-power equipment; industrial testing; data centers, etc.

06 Single-phase 32A connector

(customized on request)

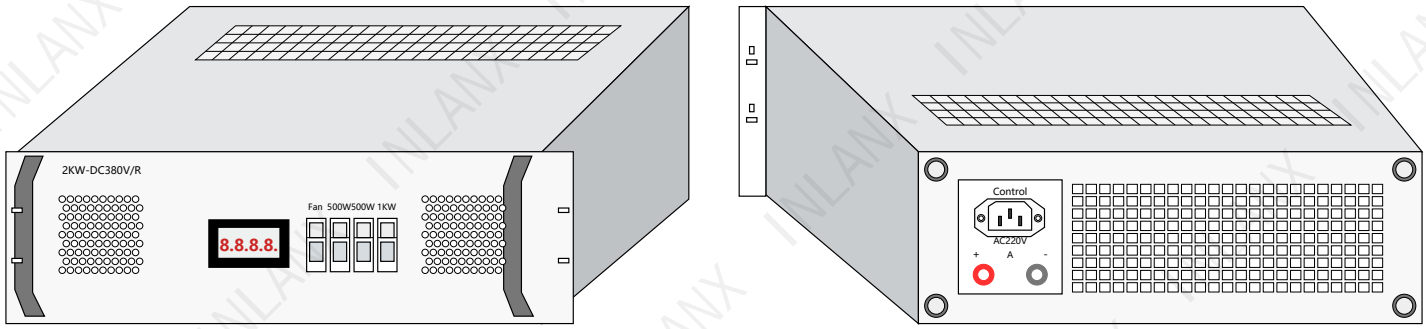


Current	32 A
Voltage	200-250 V (customizable)
Length	Customizable
Use	Single-phase high-power equipment; industrial testing; rack equipment, etc.

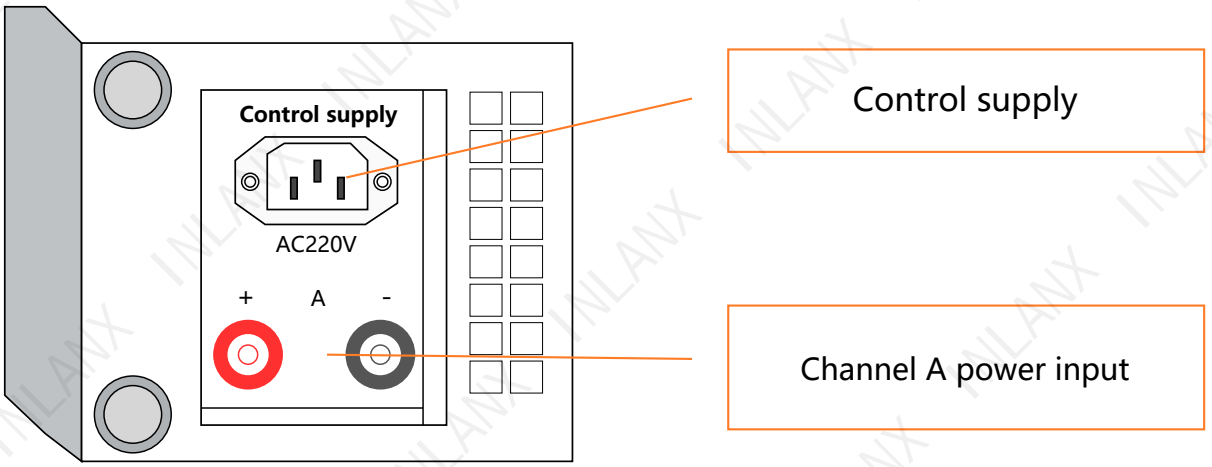
Main Materials

No.	Material	Description	Remarks
1	Enclosure	W*H*D=430*133*450 Bent and welded steel sheet; electrostatic powder-coated surface.	Custom
2	Resistor	Nickel-chromium alloy wire; stainless steel encapsulation and stainless steel cooling fins.	Features: long life and low temperature drift.
3	Circuit breaker	MCB	INLANX
4	Contactor	DC contactor	
5	Cable	High-temperature-resistant silicone cable	Shanghai
6	Meter	Ammeter	
7	Other electrical components	Renowned domestic products	

Product Structure References



Rear Input Interfaces



Rear input: AC220V control supply and DC load input.