500KW-AC380V

Air-Cooled AC Resistive Load Bank

A 500KW AC380V resistive load bank with parallel units, copper-busbar inputs and stepped pushbutton/contactor control.

Product Overview

Rated at AC380V and 500KW. Multiple load units are arranged side by side, with internal copper-busbar connections.

Illuminated pushbuttons operate contactors to select load stages. The control supply is three-phase AC380V / 50Hz; the fan supply is AC220V.

A multifunction meter displays current, voltage, power and energy. The panel provides three-phase power indicators.



Cooling & Protection

- Forced-air cooling with front/side intake and rear exhaust.
- Excess internal temperature automatically disconnects the load.
- Operating ambient temperature: below 70℃ (protection setpoint).

Dimensions

Width W mm	Height H mm	Depth D mm
2600	1800	900

Standard C13-C14 cords; verify site PDU compatibility.

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.

Technical Specifications

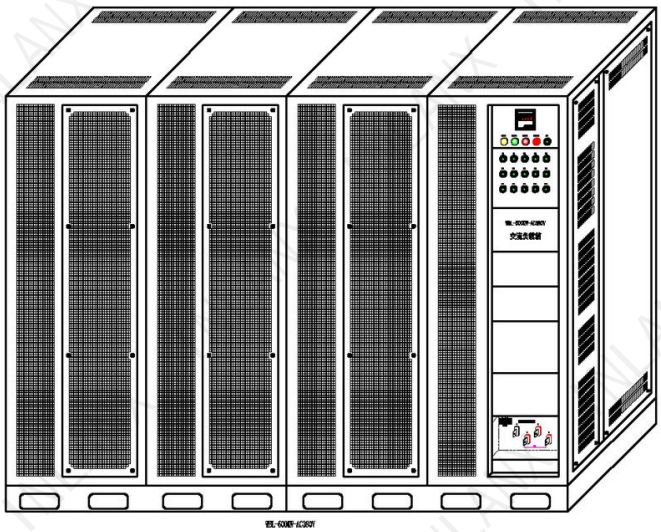
Model	500KW-AC380V
Rated voltage	AC380V
Rated power	500KW
Control	Illuminated pushbuttons + contactors
Control supply	Three-phase AC380V / 50Hz
Structure	Multiple units arranged side by side
Load inputs	Internal copper busbars
Display	Multifunction meter

Measurements	Current, voltage, power and energy
Power factor	1
Resistance tolerance	≤5%
Protection	Automatic load trip when internal temperature exceeds its limit
Ambient temp.	Below 70℃ (protection setpoint)
Fan supply / cooling	AC220V; forced air, front/side intake and rear exhaust
Dimensions	W×H×D = 2600×1800×900 mm

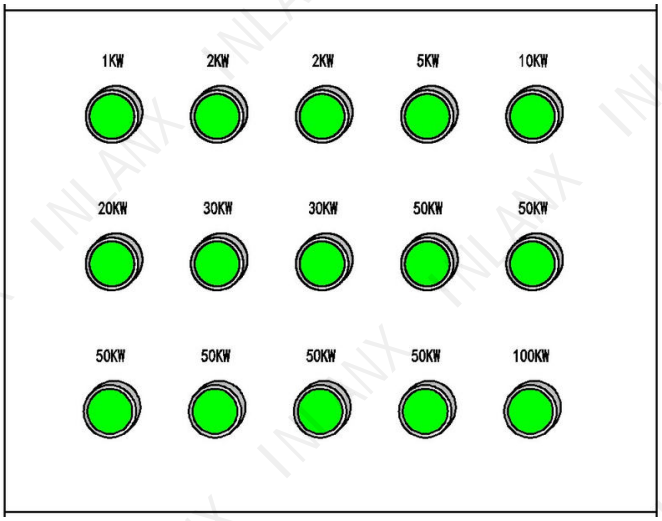
Power Stages

1KW, 2KW, 2KW, 5KW, 10KW, 20KW, 30KW, 30KW, 50KW, 50KW, 50KW, 50KW, 50KW, 50KW, 100KW

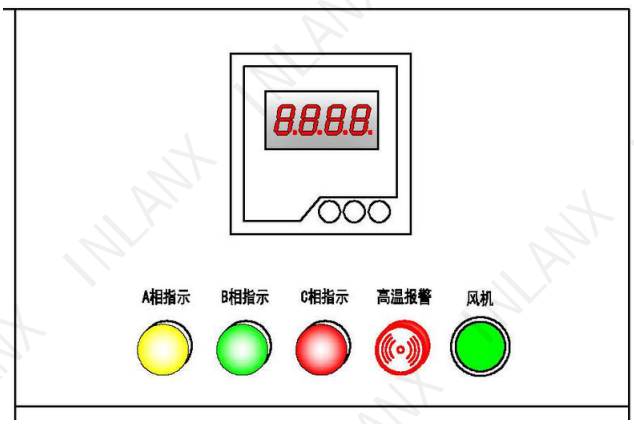
Enclosure Structure



Illuminated Controls



Meter & Indicators



Copper-Busbar Inputs

