100KW-AC380V-R

Air-Cooled AC Resistive Load Bank

A 100KW AC380V load bank with three-phase, four-wire copper-busbar input and stepped circuit-breaker control.

Product Overview

Rated at AC380V and 100KW, with three-phase, four-wire inputs. Copper busbar terminals are accessible by opening the wiring cover.

Miniature circuit breakers select power steps. Load resolution is 1KW for single-phase and 3KW for three-phase use; single-phase operation is rated at 33KW.

A three-phase multifunction meter and phase-energized indicators display the operating status. The control supply is single-phase AC220V / 50Hz.



Cooling & Protection

- Forced-air cooling with side/front intake and rear exhaust.
- Excess internal temperature triggers audible/visual alarms and disconnects the load.
- Overcurrent and short-circuit protection.

Dimensions

Width W mm	Height H mm	Depth D mm
646	1300	850

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)

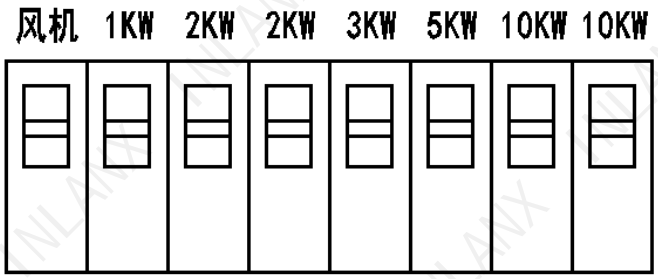


Current	32 A
Voltage	200-250 V (customizable)
Length	Customizable
Use	Single-phase high-power equipment; industrial testing; rack equipment, etc.

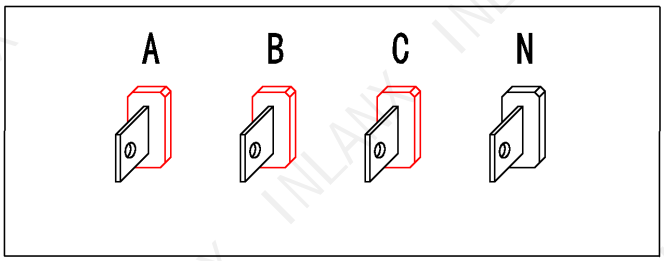
Technical Specifications

Model	100KW-AC380V-R
Rated voltage	AC380V
Rated power	100KW
Wiring	Three-phase, four-wire
Control	Miniature circuit breakers
Control supply	Single-phase AC220V / 50Hz
Loading	Stepped load increase/decrease
Load resolution	1KW single-phase; 3KW three-phase
Single-phase operation	Supported; 33KW in single-phase operation
Cooling	Forced air: side/front intake, rear exhaust
Display	Three-phase multifunction meter; phase-energized indicators
Protection	Overtemperature audible/visual alarm and load trip; overcurrent and short circuit
Load inputs	Copper busbars behind the wiring cover
Overall dimensions	W×H×D = 646×1300×850 mm

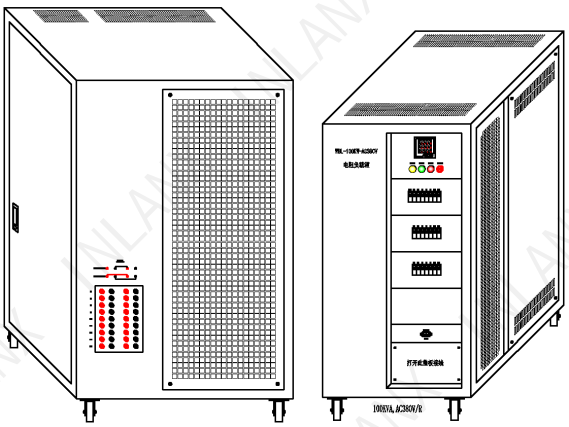
Power-Stage Controls



Copper-Busbar Inputs



Enclosure Structure



Wiring & Display

- A/B/C/N copper busbars provide the three-phase, four-wire load connection.
- The wiring terminals are behind a removable cover.
- Multifunction meter, phase-energized indicators and audible/visual overtemperature alarm.