INLANX-120KW-AC380V-R

High-Power AC Load Bank

Designed to test generator and UPS load capacity and other electrical performance with a 120KW simulated AC load.

Product Overview

AC380V rated voltage and 120KW rated power; power factor 1 and load accuracy within 5%.

Nickel-chromium alloy resistors provide stable load power. High-temperature silicone wiring withstands at least 120°C.

Manual 1P switch loading allows selectable, combined load steps.



Functions & Applications

• Tests distribution equipment, generators, UPS units, row cabinets and PDUs under load.

• Checks UPS load transfer and supply time, generator startup under load, and room cooling response.

Protection & Cooling

70°C over-temperature setpoint with audible / visual alarm; forced air enters at the front and exits at the rear.

Dimensions

Width W mm	Height H mm	Depth D mm
650	1800	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)

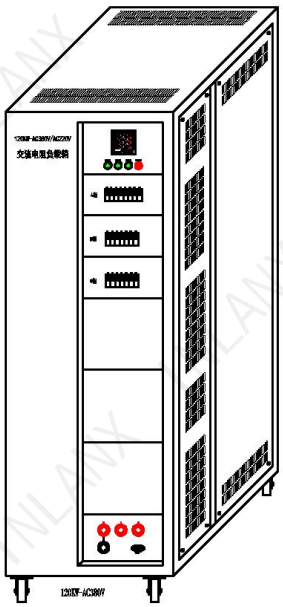


Current	32 A
Voltage	200-250 V (customizable)
Length	Customizable
Use	Single-phase high-power equipment; industrial testing; rack equipment, etc.

Technical Specifications

Product	High-power AC load bank
Model	INLANX-120KW-AC380V-R
Rated voltage	AC380V
Rated power	120KW
Three-phase AC load steps	3KW, 6KW, 6KW, 15KW, 3 × 30KW
Single-phase AC load steps	1KW, 2KW, 2KW, 5KW, 10KW, 10KW, 10KW
Power factor	1
Load accuracy	≤5%
Fan / control supply	AC220V
Load connection	Quick connector
Cabinet dimensions	W650 × H1800 × D850 mm
Operating temperature	Below 70°C (protection setpoint)
Cooling	Forced air, front intake / rear exhaust
Loading method	Manual control-panel switching (1P switches)
Resistor material	Nickel-chromium alloy
Temperature protection	70°C protection setting; audible and visual alarm when overheated

Cabinet Layout



- Display meter and three-phase power indicator lamps
- High-temperature audible / visual alarm
- Fan start / stop and load switching breakers
- Load input terminals and AC220V control supply input

Operation Notes

Start the fan before applying load. After unloading, wait about 3 minutes before stopping the fan; disconnect the source end before the load end.