INLANX-48KW-AC/DC-PTC-W

Liquid-Cooled AC/DC Load Bank

A 48KW PTC load for equipment testing and validation, with switch control and no programmable function.

Our INLANX-48KW-AC/DC-PTC-W rack-mounted load bank is a high-power-density rack-mounted test load developed specifically for standard 19-inch rack environments in IDC data centers.

Product Overview

Supports AC220V at 48KW and DC270V at 48KW. Automatic AC/DC mode recognition simplifies operation.

PTC heating material provides self-limiting temperature behavior. Resistance increases with temperature, moderating the power change.

Collects voltage, current, power and coolant parameters; supports data storage and export. Switch control has no programmable function.



Features & Applications

- Single-phase AC and DC: 1KW steps; three-phase AC: 3KW steps.
- Touchscreen display and liquid-cooling monitoring.
- Power, energy storage, charging and liquid-cooling system tests; R&D, production and on-site validation.

Protection Functions

- High outlet-water temperature; dry-run protection with low-flow / no-flow interlock.
- Overpressure, overcurrent, overload, short-circuit, grounding and coolant-leak protection.

Dimensions

Width W mm	Height H mm	Depth D mm
440	265	800

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)

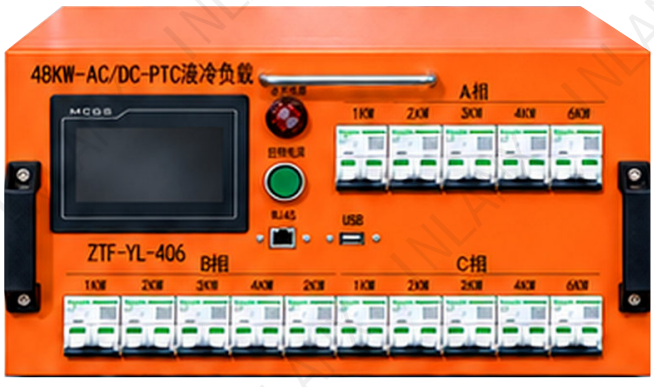


Current	32 A
Voltage	200-250 V (customizable)
Length	Customizable
Use	Single-phase high-power equipment; industrial testing; rack equipment, etc.

Technical Specifications

Product	48KW liquid-cooled AC/DC load bank
Model	INLANX-48KW-AC/DC-PTC-W
Rated power	48KW (48KW AC / 48KW DC)
Control	Switch control (no programmable control)
AC operation	AC220V, 48KW
DC operation	DC270V, 48KW
Single-phase AC steps	1KW increments
Three-phase AC steps	3KW increments
DC power steps	DC270V; 1KW increments
Automatic detection	Automatic AC/DC mode recognition
Heating material	PTC resistors
Electrical measurements	Voltage, current and power
Coolant measurements	Coolant inlet/outlet temperature, pressure, flow, differential pressure and temperature difference
Data functions	Data storage and export
Overall dimensions	W×H×D = 440×265×800 mm

Front Panel



Rear Panel

