

EAST THERMAL TECH

Custom Cabinet Heating Assemblies

For OEM enclosures, data center HVACD equipment, power cabinets, and outdoor support systems.

BUILT AROUND YOUR CABINET DRAWING

- Heater selection and layout
- Bracket, guard, and mounting
- Wire routing and terminal reservation
- Prototype assembly for customer-supplied cabinets

**REQUEST A CABINET
HEATING REVIEW**

sales@eastthermaltech.com



CONCEPT VISUALIZATION

Why Cabinet Heating Becomes Custom

Wattage is only one decision; cabinet fit and system handoff determine whether the package is usable

The buyer is not only sourcing heat. They need to control condensation, cold exposure, or temperature loss without creating a new mounting, service, wiring, or approval problem.

TRIGGER 01

Condensation Risk

Humidity and temperature swings may allow moisture to form inside electrical or equipment enclosures.

TRIGGER 02

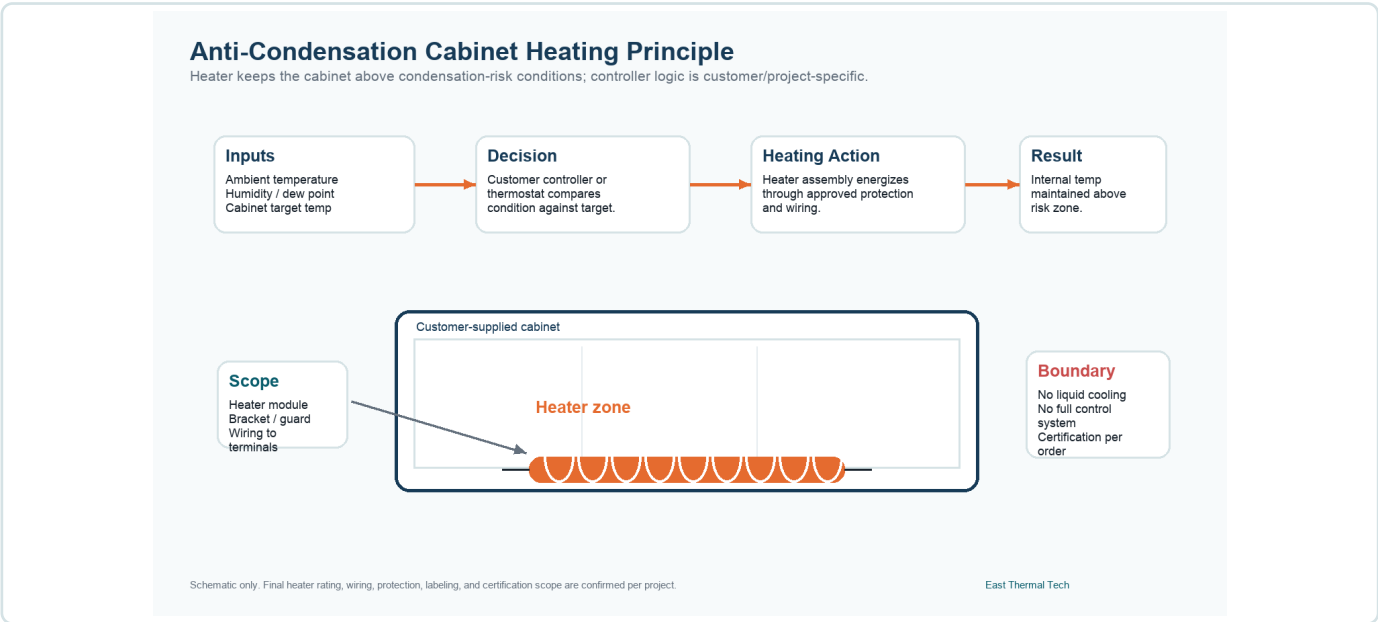
Low Ambient / Frost

Outdoor, standby, or unheated equipment may need project-specific low-temperature or freeze protection.

TRIGGER 03

Temperature Maintenance

Cabinet or air-side sections may require controlled heat input around existing equipment and service constraints.



Engineering schematic - project inputs determine the final assembly

One Cabinet Design. Three Clear Responsibilities.

The collaboration model keeps East Thermal focused on the heating assembly and handoff

1 Customer Inputs

Cabinet drawing or sample, dimensions, ambient range, target internal temperature, voltage, prohibited zones, quantities, and control plan.

2 East Thermal Heating Scope

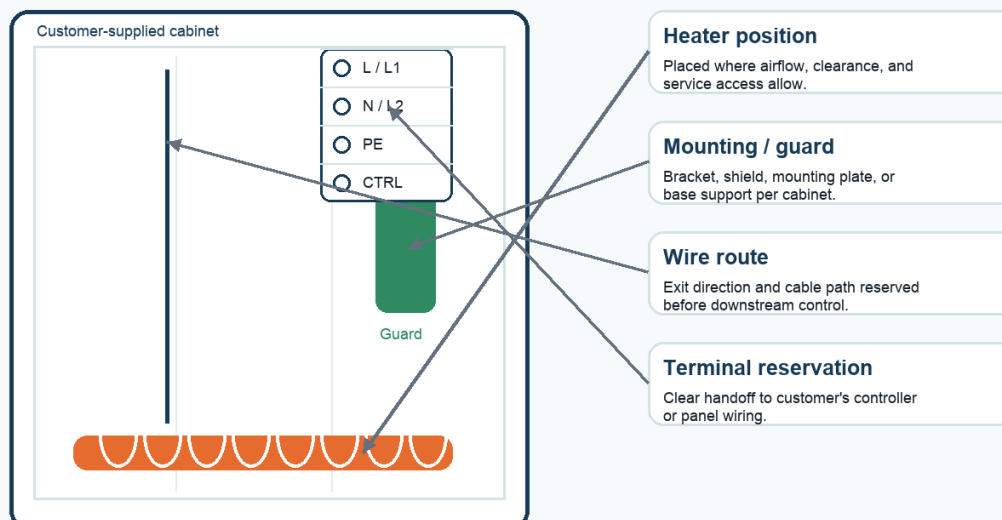
Heater platform, rating proposal, layout, bracket/guard, mounting, wire route, labels, terminals, and prototype assembly proposal.

3 Customer Downstream Scope

Power protection, controller, alarms, interlocks, final system wiring, equipment approval, and complete control-system integration.

Customer-Supplied Cabinet Heating Layout Concept

Shows the package we can review: heater location, guard, wire route, terminal reservation, and service clearance.



Schematic only. Final heater rating, wiring, protection, labeling, and certification scope are confirmed per project.

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NO LIQUID COOLING | NO COMPLETE CONTROL SYSTEM | NO DATA CENTER MEP SCOPE

Designed for Cabinetized and Air-Side OEM Equipment

The same drawing-led workflow can support several recurring equipment platforms



CONCEPT VISUALIZATION

APPLICATION 01

Data Center HVACD / AHU

Preheat, reheat, low-ambient, service-section, or control-enclosure heating review.

APPLICATION 02

Power Equipment Cabinets

UPS, PDU, RPP, switchgear support, and distribution cabinet anti-condensation.

APPLICATION 03

Telecom / Edge Cabinets

Outdoor heating around batteries, cabling, ventilation openings, and service space.

APPLICATION 04

Generator Control Cabinets

Frost prevention and low-temperature readiness for standby equipment.

APPLICATION 05

Custom Electrical Enclosures

Repeatable mounting and wiring handoff for OEM enclosure platforms.

APPLICATION 06

Battery / Semiconductor HVACD

Project-specific temperature-maintenance or reheat support in controlled environments.

What Can Be Included in the Heating Assembly

A project-defined package that converts heater components into a cabinet-ready handoff



1 Heater Platform

Finned tubular, tubular, or compact air-side heater selected after review.

2 Mounting Hardware

Bracket, base, side-wall, or mounting-plate arrangement around the cabinet.

3 Safety Guard

Project-specific mechanical guard where heat, access, or service clearance requires it.

4 Internal Leads

Heat-resistant lead length, ferrules, clips, route, and exit direction as agreed.

5 Terminal Reservation

Clear electrical handoff point for the customer's downstream controller and protection.

6 Project Documentation

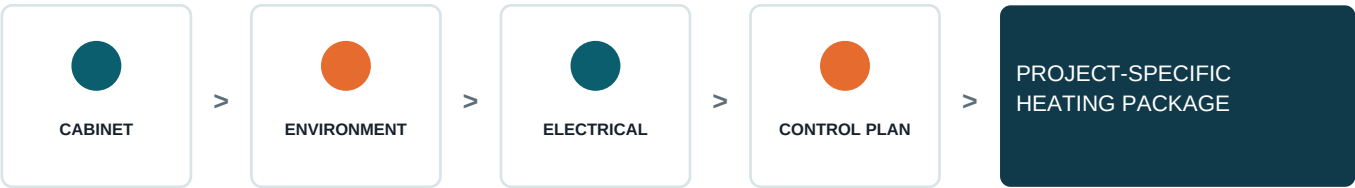
BOM, assembly photos, wiring handoff note, inspection checklist, and revision record.

Typical Customization Range

The catalog defines the variables; the drawing and operating conditions define the final assembly

Area	Project Inputs	What Is Confirmed After Review
Voltage	Customer voltage, phase, frequency, and downstream control architecture	Project-specific heater electrical configuration and handoff
Heater wattage	Cabinet volume, ambient range, target temperature, mounting space, heat loss, and airflow	Proposed rating or staged heater-bank concept for customer review
Heater type	Natural or forced air, available geometry, surface-area need, and service access	Finned tubular, tubular, or compact air-side platform
Mounting	Base, side wall, mounting plate, prohibited zones, clearance, and guard need	Bracket, guard, mounting plate, fastener, and service-access concept
Wiring	Lead length, route, exit direction, terminals, labels, and grounding interface	Internal lead arrangement and reserved terminal handoff
Controls interface	Customer thermostat, sensor, controller, protection, alarms, and interlocks	Reserved mounting or terminal position; downstream logic stays with customer
Documentation	Approval, inspection, packaging, and repeat-production requirements	Defined BOM, photos, handoff note, checklist, and revision record

How the project becomes quotable

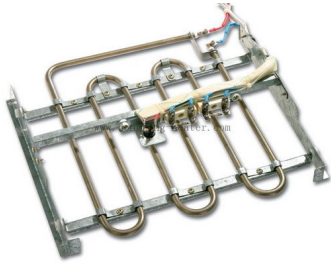


What this means for the buyer

You do not need to force a standard heater into a finished cabinet. Send the cabinet information first, then confirm the heater, mounting, wiring, documentation, and certification boundary before quotation.

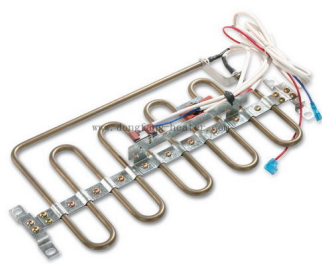
Heater Platforms Used as Engineering Starting Points

Official Dongfang Electric Heating public product images shown as references, not fixed cabinet kits



Integrated heater bank

Multi-element arrangement for adaptation to a project mounting plate.



Compact tubular bank

Compact multi-element geometry for space-constrained assembly review.



Finned tubular heater

Air-side surface area for natural or forced-air cabinet concepts.



Compact air-side heater

Reference platform for AHU or equipment-section heating review.



Tubular air heater

Simple heater form that can be paired with a project bracket or guard.



Tubular heater forms

Bend and length variations support cabinet-specific layout development.

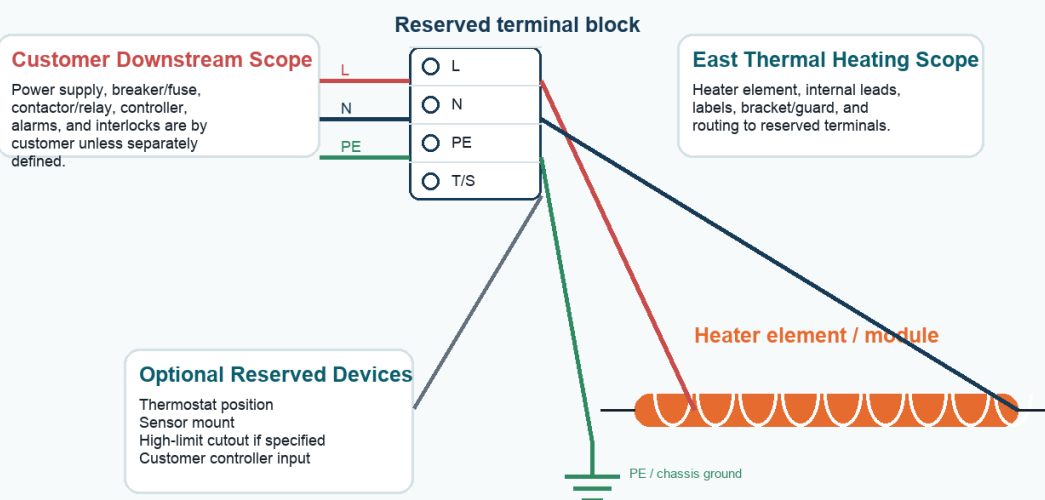
Reference only. Final rating, material, mounting method, wiring, labeling, documentation, inspection, and certification scope are confirmed for the exact project.

A Clear Wiring Handoff Without Claiming the Control System

The interface can be planned while final protection, logic, alarms, and approval remain downstream

Single-Phase Wiring Handoff Concept

Conceptual wiring only. Final protection, conductor sizing, thermostat logic, and certification are project-specific.



Schematic only. Final heater rating, wiring, protection, labeling, and certification scope are confirmed per project.

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East Thermal heating scope

- Heater element or module
- Internal leads and route
- Bracket, guard, and mounting plate
- Labels and reserved terminal handoff
- Sensor/thermostat position reservation if defined

Customer downstream scope

- Power supply and conductor sizing
- Breaker, fuse, contactor, relay, and protection
- Controller, alarms, and interlocks
- Final system wiring and grounding approval
- Equipment-level certification and compliance

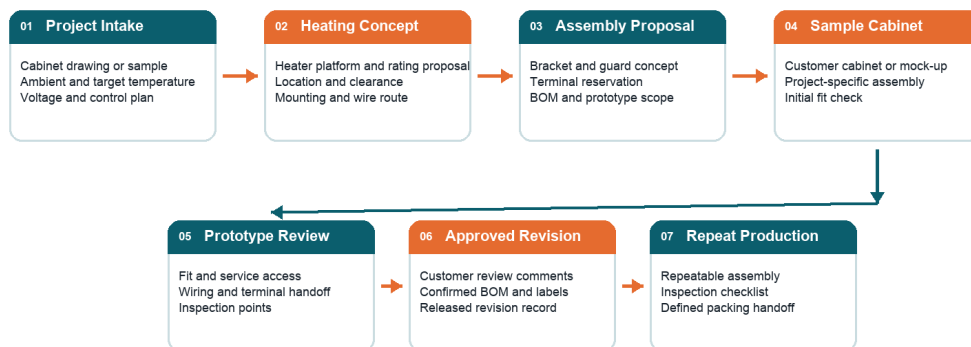
Handoff concept only - not a certified wiring diagram. Final electrical design and certification requirements are confirmed per project.

Prototype First. Repeat Production After Approval.

The first cabinet is used to close fit, wiring, documentation, and repeatability questions

RFQ to Repeat Production

A drawing-led workflow for customer-supplied cabinet heating assemblies.



CUSTOMER PROVIDES

Cabinet design, operating conditions, electrical inputs, quantities, and approval requirements

EAST THERMAL SCOPE

Heating assembly and defined handoff

Engineering review checks

- Heater location and clearance
- Guard and service access
- Wire length, route, exit direction, and terminals
- Sensor/thermostat reservation
- Assembly appearance and repeatability

Procurement and approval handoff

- Project-specific BOM
- Assembly photos or first-article record
- Wiring handoff note
- Inspection checklist
- Revision record for repeat production

Customer-supplied sample cabinet

A physical sample can be used when the project needs a fit check before repeat production.

Send one drawing. Start a practical review.

The fastest useful RFQ combines cabinet, environment, electrical, and production information.

1 Cabinet

- Drawing, 3D model, or internal photos
- Dimensions, material, mounting space, prohibited zones

2 Environment

- Indoor or outdoor use
- Ambient range, target temperature, humidity/frost concern

3 Electrical

- Voltage, phase, and frequency
- Wire route, terminals, labels, and downstream control plan

4 Production

- Prototype and expected repeat quantity
- Documents, inspection, packing, certification requirements

REQUEST CABINET HEATING REVIEW

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Product images are for reference only. Final heater rating, material, mounting, wiring, labeling, documentation, inspection, and certification scope are confirmed per project. Customer drawings and operating conditions are required for engineering review. Third-party certification requirements must be confirmed before quotation.