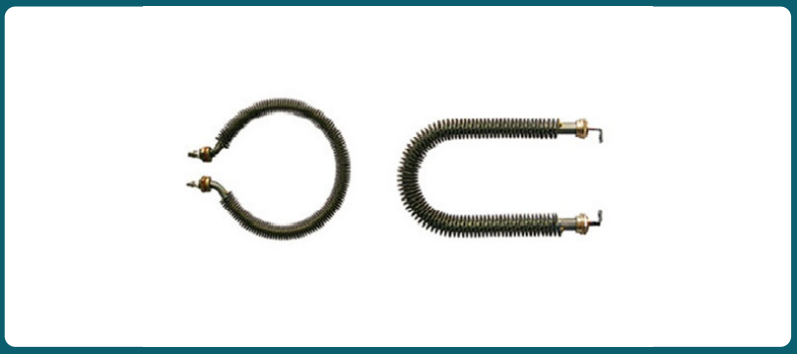
Custom Cabinet Heating Assemblies

For OEM Enclosures,
Data Center Power Cabinets
& Outdoor Equipment Cabinets

CUSTOM CABINET HEATING PACKAGES



Anti-condensation | Frost prevention
Low-temperature protection | Wiring reservation
Prototype assembly

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1. Positioning and Scope

Cabinet heating assemblies, not liquid cooling or complete control systems

What We Provide

- Custom electric heating assemblies built around customer cabinet drawings.
- Heater element selection, cabinet-specific layout, mounting support, and wiring reservation.
- Assembly support inside customer-supplied cabinets where applicable.
- Prototype-first workflow before repeat production.

Scope Boundary

- Not a liquid-cooling supplier.
- Not a data center MEP contractor.
- Not a complete control cabinet supplier.
- Certification must be confirmed for the exact custom assembly and order.

Best-Fit Buying Situations

- You manufacture custom electrical enclosures or outdoor cabinets.
- Your cabinet needs anti-condensation or low-temperature protection.
- You want the heating package assembled around your cabinet platform.
- You will add or specify the downstream controller separately.
- You need a prototype build before repeat production.

2. Product Family Matrix

Main purchasable cabinet heating assembly packages

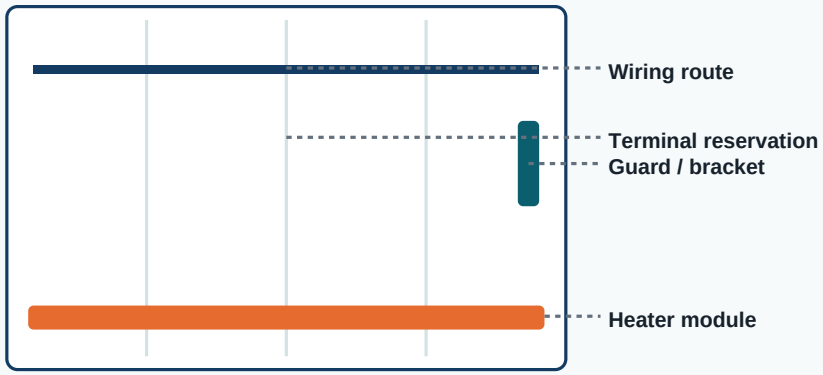
Series	Main Product Package	Target Application	Buying Reason
EHA-100	Anti-Condensation Cabinet Heating Assembly	Electrical enclosures, panel cabinets	Reduce condensation and humidity-related reliability risk
EHA-110	Low-Temperature Cabinet Heating Assembly	Outdoor equipment cabinets	Maintain minimum internal temperature in cold environments
EHA-130	Data Center Power Cabinet Heating Assembly	UPS, PDU, RPP, switchgear support cabinets	Anti-condensation and temperature maintenance around power equipment
EHA-140	Generator Control Cabinet Heating Assembly	Generator control cabinets	Frost prevention and standby readiness
EHA-150	Telecom / Edge Outdoor Cabinet Heating Assembly	Telecom outdoor cabinets, edge cabinets	Heating around cable routing, batteries, ventilation, and service space
EHA-400	Customer-Supplied Cabinet Prototype Build	Sample cabinets and first articles	Trial assembly before repeat production

Optional Integration Components

Component	Optional Scope	How It Supports the Assembly
EHA-200	Finned tubular / compact air-side heater module integration	Heater platform selection for cabinet air warming zones
EHA-300	Mounting bracket / guard / plate kit	Repeatable installation, guard planning, and service clearance
EHA-310	Wiring harness & terminal reservation kit	Wire length, exit direction, terminal reservation, and handoff to customer controls
EHA-320	Heater labeling & assembly documentation set	Labels, assembly photo, inspection checklist, and wiring handoff note

3. Cabinet Heating Assembly Architecture

A purchasable package combines heat, mechanics, wiring, and project workflow



Application Package

Anti-condensation, low-temperature protection, outdoor NEMA, data center power, generator, telecom / edge, or retrofit use case.

Heater Platform

Finned tubular heater, compact air-side heater, tubular heater reference, or project-specific heater module confirmed by drawing.

Integration Kit

Bracket, guard, mounting plate, wire route, terminal reservation, thermostat/sensor position, and labeling concept.

Prototype Workflow

Customer-supplied cabinet review, sample assembly, fit check, documentation review, and repeat production adjustment.

4. Application Packages

How the heating assemblies map to cabinet buying needs

EHA-100

Anti-Condensation

For enclosures and panel cabinets where moisture can affect terminals, insulation resistance, and service reliability.

EHA-110

Outdoor Low-Temperature

For outdoor equipment cabinets that need internal temperature support in cold climates or standby conditions.

EHA-130

Data Center Power Cabinets

For UPS, PDU, RPP, switchgear support, and power distribution cabinets used around data center infrastructure.

EHA-140

Generator Control Cabinets

For standby power packages needing frost prevention, cold-start readiness, and downstream control reservation.

EHA-150

Telecom / Edge Cabinets

For outdoor telecom, fiber, broadband, and edge cabinets with cable, battery, ventilation, and service constraints.

EHA-400

Retrofit Cabinets

For existing cabinet platforms, upgrade projects, or first-article cabinet builds that need a confirmed heater package.

5. Typical Customization Range

Project-specific details confirmed from cabinet drawings and operating conditions

Area	Typical Range / Confirmation Point
Voltage	Project-specific
Heater wattage	Confirmed by cabinet volume, ambient temperature, target internal temperature, and mounting space
Heater type	Finned tubular / tubular / compact air-side heater
Mounting	Bracket / guard / mounting plate / base / side wall
Wiring	Wire length, exit direction, terminal reservation, labels
Controls	Thermostat/sensor mounting position reserved for downstream controller
Documentation	BOM, assembly photo, wiring handoff note, inspection checklist

Engineering review note: final heater rating, material, mounting method, wiring, labels, and certification scope are confirmed per project. Customer drawings and operating conditions are required before a practical quote can be prepared.

6. Customer-Supplied Cabinet Process

A practical workflow for prototype and repeat production

1. Project Intake

Customer sends cabinet drawings, photos, dimensions, environment, target temperature, voltage, and control plan.

2. Heating Concept

We review mounting space, heater location, cable route, service clearance, and downstream control reservation.

3. Assembly Proposal

We prepare the heater assembly concept: heater type, mounting method, wiring route, terminal reservation, and optional guard.

4. Sample Cabinet

Customer can send its own cabinet or enclosure for prototype assembly.

5. Prototype Review

Fit, service access, heater clearance, wiring route, and documentation needs are reviewed.

6. Repeat Production

After approval, the heating assembly can be repeated or adjusted for related cabinet models.

7. RFQ Information Needed

The information that makes quoting and design review useful

Send these with your inquiry

- Cabinet drawing or photos
- Cabinet dimensions
- Available heater mounting space
- Ambient temperature range
- Target internal temperature
- Humidity or condensation concern
- Voltage / phase / frequency
- Preferred heater location or prohibited zones
- Door, wall, rail, base, or airflow constraints
- Wiring route and terminal requirements
- Downstream controller / thermostat / sensor plan
- Expected prototype quantity and repeat quantity
- Certification, testing, labeling, or documentation requirements

Recommended Subject Line

Cabinet Heating Assembly RFQ - [Your Cabinet Type]

If UL, CSA, CE, explosion-proof, or other certification scope is required, confirm it for the exact custom assembly and order.

8. Factory & Assembly Videos Available Upon Request

Original video assets can be shared during project discussion

Available Video Topics

- Factory and heater capability overview.
- Cabinet heating assembly workflow.
- Customer-supplied cabinet prototype process.
- Anti-condensation and low-temperature application explanation.
- Assembly documentation and wiring handoff overview.

Shared Separately

- No QR placeholder in the catalog.
- No third-party video screenshots.
- Original factory and assembly videos only.
- Provided after project discussion or NDA if required.

No third-party social-media screenshots or video frames are used in this catalog. Customer-facing videos should be original factory, product, or assembly materials and can be shared separately upon request.

9. Formal Notes

Project-specific confirmation before quotation and production

1. Product images are for reference only.
2. Final heater rating, material, mounting method, wiring, labeling, and certification scope are confirmed per project.
3. Customer drawings and operating conditions are required for engineering review.
4. Third-party certification requirements must be confirmed before quotation.
5. East Thermal Tech focuses on custom cabinet heating assemblies, not liquid cooling, complete control systems, or data center MEP construction.

Project Review Contact

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