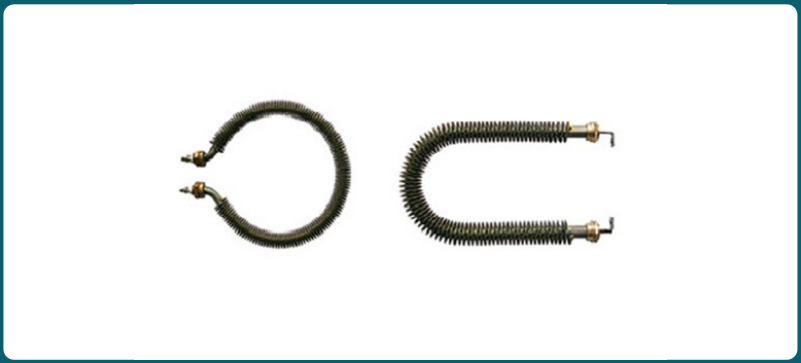
East Thermal Tech

Custom Cabinet Heating Assemblies

DATA CENTER SUPPORT CABINETS



For OEM cabinet builders, enclosure manufacturers, panel builders, generator control cabinet suppliers, telecom outdoor cabinet manufacturers, and data center power equipment cabinet suppliers.

sales@eastthermaltech.com | Heater layout | Mounting | Wiring reservation | Customer-supplied cabinet assembly

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.

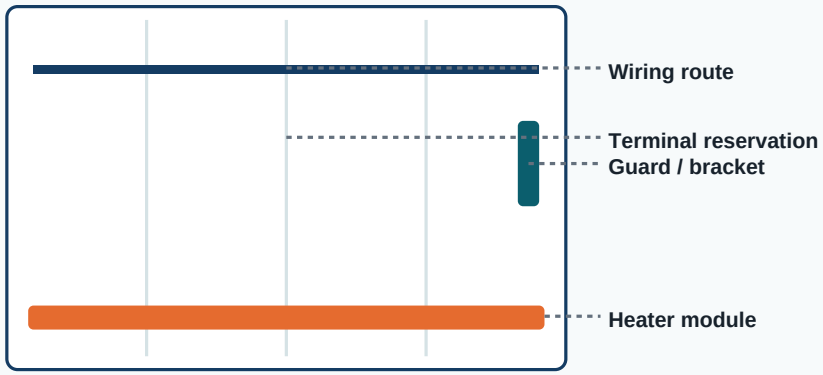
2. Product Family Matrix

Expanded purchasable packages organized around cabinet applications

Series	Product Package	Target Application	Buying Reason
EHA-100	Anti-Condensation Enclosure Heating Assembly	Electrical enclosures, control 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-120	Outdoor NEMA Cabinet Heating Assembly	NEMA / outdoor electrical cabinets	Cabinet-specific heater fit, mounting, and wiring planning
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-160	Industrial Control Cabinet Heating Assembly	Industrial control cabinets	Heating assembly with wiring reservation for downstream controls
EHA-170	Retrofit / Replacement Cabinet Heating Kit	Existing outdoor or control cabinets	Add or replace heater package without redesigning the full cabinet
EHA-200	Finned Tubular Heater Module Integration	Cabinet air warming zones	Higher air-contact surface area in compact layouts
EHA-210	Compact Air-Side Heater Layout	Compact support cabinets	Layout review where internal space is limited
EHA-220	Thermostat / Sensor Mounting Reservation	Cabinets with downstream controls	Prepare mechanical and wiring space for customer controls
EHA-300	Mounting Bracket / Guard / Plate Kit	Repeat cabinet platforms	Faster repeat installation and cleaner service access
EHA-310	Wiring Harness & Terminal Reservation Kit	Downstream controller integration	Cleaner wiring handoff without us supplying the full controls
EHA-320	Heater Labeling & Assembly Documentation Set	Repeat production	Clearer installation, inspection, and service handoff
EHA-400	Customer-Supplied Cabinet Prototype Build	Sample cabinets and first articles	Trial assembly before repeat production

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 real cabinet buying needs

EHA-100

Anti-Condensation

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

EHA-110

Low-Temperature Protection

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

EHA-120

Outdoor NEMA Cabinets

For custom enclosure manufacturers that need repeatable heater fit, mounting, wiring, and service clearance.

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.

5. Heater Platforms

Electric heating references adapted to cabinet layouts

Finned / Tubular Heater Set Reference

- Relevant for compact air-side heating and anti-condensation layouts.
- Useful when cabinet airflow or available space benefits from higher surface area.
- Shape, length, terminal direction, mounting, and rating must be confirmed by project.

Air / Tubular Heater Reference

- Can support larger cabinet interior spaces or guarded heater zones.
- Used as a platform reference, not a one-size-fits-all cabinet product.
- Requires clearance, service access, wiring route, and guard review.

Important: product images are public heater references. Every cabinet heating assembly must be confirmed around the actual cabinet drawing, environment, voltage, target temperature, mounting space, and certification requirements.

6. Integration Components

Why this is an assembly package, not just heater elements

Mounting Bracket / Guard / Plate Kit

- Bracket material and mounting hole pattern.
- Guard or shield around the heater.
- Mounting plate for repeated production.
- Service access and heater clearance planning.

Wiring Harness & Terminal Reservation Kit

- Wire length and exit direction discussion.
- Terminal block reservation.
- Thermostat or sensor mounting position reservation.
- Wiring route planning for the customer's downstream controller.
- Clear handoff without us supplying the complete control system.

7. 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.

8. Configuration Menu

Make each quote feel specific to the customer's cabinet

Decision Area	Options to Confirm	Why It Matters
Cabinet platform	Indoor / outdoor, NEMA / custom, wall / floor standing, single or multiple cabinet sizes	Defines layout repeatability and mounting constraints
Heating goal	Anti-condensation, frost prevention, low-temperature protection, temperature maintenance	Determines heater capacity and control logic handoff
Heater location	Base, side wall, rear panel, door area, rail area, airflow zone	Avoids interference with equipment and service access
Mechanical kit	Bracket, guard, mounting plate, screws, labels	Turns heater element into a repeatable assembly
Wiring handoff	Wire length, exit direction, terminal block, labels, sensor/thermostat position	Keeps downstream control integration clean
Documentation	BOM, assembly photo, inspection checklist, wiring handoff note	Supports repeat orders and engineering approval

Sales point: a customer is not only buying a heater. They are buying a cabinet-ready heating package that saves engineering time, assembly uncertainty, and downstream wiring confusion.

9. 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

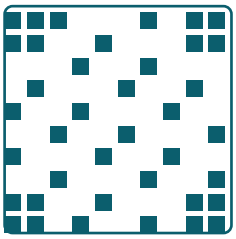
Recommended Subject Line

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.

10. Video Demo Plan

Use original video assets; do not place third-party clips in the external catalog



Factory Capability

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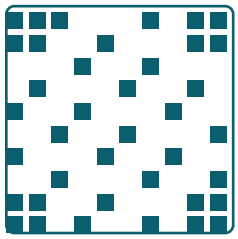

Cabinet Assembly

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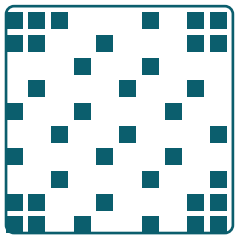

Customer-Supplied Process

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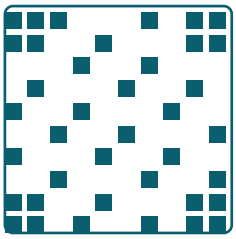

Anti-Condensation

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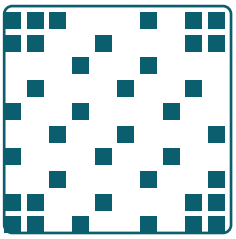

Application Reel

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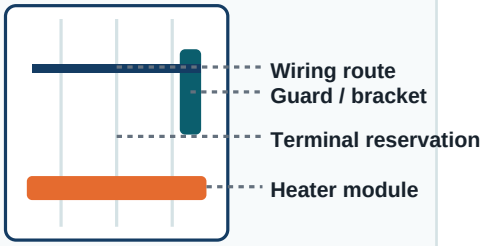
Recommended videos: factory and heater capability reel, cabinet heating assembly demo, customer-supplied cabinet workflow, anti-condensation / low-temperature use case, and application reel for data center support, generator control, telecom outdoor, and edge cabinets.

11. Why Work With Us

Clear product boundary and practical cabinet assembly support

- Electric heating product background from public Dongfang Electric Heating references.
- Project-specific cabinet heating layout instead of one-size-fits-all heater sales.
- Customer-supplied cabinet assembly support where applicable.
- Practical integration: mounting, guard, wiring route, and terminal reservation.
- Clear boundary: heater assembly and wiring reservation, not liquid cooling or complete data center MEP.
- Suitable for OEMs, enclosure manufacturers, panel builders, and cabinet suppliers.



Contact CTA

Send your cabinet drawing, target temperature, ambient conditions, voltage, and downstream control plan to sales@eastthermaltech.com. We can review the cabinet heating layout and propose a practical heating assembly package for prototype or repeat production.

12. Source Boundary

Public references and project-specific confirmation

Public Website References

- Dongfang Electric Heating English website and product pages.
- Public images of stainless steel finned electric heater, air heater, tubular heater references, and industrial electric heater references.
- Company-level certification and export information should be treated as background, not an automatic certification claim for every custom cabinet assembly.

Social-Media Research

- Public Xiaohongshu and Douyin observations were used only to improve product positioning and presentation strategy.
- Third-party video clips or screenshots should not be used in customer-facing catalogs unless rights are confirmed.
- PTC, explosion-proof, control-cabinet, or other special claims must be confirmed before use in quotations or catalogs.

All ratings, materials, certification scope, and cabinet assembly details must be confirmed project by project.