

SJ Industrial Ovens

Thermal Solutions for Industrial & Telecom Batteries

Reliability for Critical Power (UPS, Forklift, Telecom)
Supporting Diverse Chemistries

Overview: Industrial batteries—including those for materials handling (forklifts), uninterruptible power supplies (UPS), and telecom backup—demand maximum uptime and durability. We supply the high-performance thermal equipment necessary for manufacturing these rugged, long-life power solutions.

KEY INDUSTRIAL THERMAL PROCESSES

1. Traction Battery Plate Curing (Forklifts)

Process: Plates for traction applications undergo deep cycling and require superior structural integrity. Our curing ovens ensure the plate material strongly resists shedding, maximizing the battery's lifespan under heavy operational stress.

Equipment: **High-Load Capacity Curing Ovens**.

Technical Requirements:

- Load Bearing:** Reinforced floors and track systems to handle loads of several tons.
- Throughput:** Large door openings and efficient airlocks for quick loading/unloading of entire racks.

2. VRLA (AGM/Gel) Conditioning

Process: Precise heat is used to condition the fiberglass mats (AGM) or the electrolyte gel during production of maintenance-free batteries for UPS and telecom towers. This ensures consistent saturation and prevents premature dry-out.

Equipment: **Low-Temp/Humidity Conditioning Chambers**.

ENGINEERING FOR DURABILITY

Our industrial ovens are not only thermally accurate but also structurally robust to meet the demands of a high-volume manufacturing environment.

- Dual Fuel Options:** We provide custom burners for Natural Gas, LPG, or Diesel, allowing you to select the most cost-effective and reliable energy source for your region.
- Heavy-Duty Materials:** Exterior shell uses thick gauge steel, with all high-contact areas reinforced against impact and abrasion.
- Integrated Safety:** Multi-point temperature logging and over-temperature safety cutoffs are standard on all industrial models.

SUMMARY OF THERMAL STEPS

Battery Type	Process	Oven Type
Traction (Lead-Acid)	Plate Curing	High-Capacity Curing Ovens
UPS/Telecom (VRLA/Gel)	Conditioning/Drying	Conditioning Chambers
Li-ion Industrial	Electrode Drying	Conveyor or Vacuum Dryers

Contact SJ Industrial Ovens Today for a Custom Solution

📞 Sales: 9768072730 | 9820315252 • ✉️ sjindustrialovenssales@gmail.com
📍 Shop No. C-11, A.K. Industrial Estate, Parmar Tecno Centre, Vasai (E), Palghar - 401208, Maharashtra