

# HITACHI

## Powering Continuity. Driving Sustainability.

Delivering Advanced Power Electronics Solutions that empower Industries and sustain Progress.

### The Hitachi Philosophy: Inspire the Next

Hitachi Hi-Rel is the critical Operational Technology (OT) partner that secures and enables the digital future (IT). We guarantee seamless continuity, built on Japanese precision and perfected with Indian originality, to power India's next great technological jump.

### Hitachi Hi-Rel Power Electronics: A Legacy of Trust

Leveraging deep, multi-decade expertise, we deliver best-in-class power electronics solutions for mission-critical infrastructure across diverse industries worldwide. Our solutions are built on Japanese precision and guaranteed by the adherence to global quality standards, enhancing energy efficiency and accelerating India's journey toward a sustainable and resilient future.

### The Sanand Manufacturing Works: Centre of Excellence



Our Sanand facility is a state-of-the-art hub embodying the "Make in India" commitment. By integrating advanced automation with disciplined controlled assembly and modelled after global benchmarks, this facility serves as the foundation where reliability is engineered into every system, ensuring long-term product integrity for mission-critical applications.

### Our Power Electronics Solutions: Empowering Industries

#### UPS Systems: Uninterrupted Power Reliability

Exceptional Safeguard against Power Disruption for Mission Critical Industrial Applications & Process Industries as well as Critical IT Infrastructure.

- **Industrial UPS for Mission Critical Industrial Applications:**  
3Ø Input - 1Ø Output System up to 250 kVA, 3Ø Input - 3Ø Output System up to 600 kVA and Battery Charger up to 360 VDC (up to 1200A).
- **Industrial UPS for Process Industries:**  
3Ø Input - 1Ø Output System up to 250 kVA and 3Ø Input - 3Ø Output System up to 600 kVA





- **IT & Infra UPS for Critical IT Infrastructure:** 1Ø Input - 1Ø Output System up to 10 kVA, 3Ø Input - 1Ø Output System up to 20 kVA and 3Ø Input - 3Ø Output System from up to 500 kVA

## VFDs (Drives): Master Your Industrial Process Control for Enhanced Efficiency

Intelligent motor control for industrial performance, optimizing efficiency in Oil & Gas, Power, Metal & Mining, Cement, Steel, Water & Waste Water Treatment and many others.

- **MVD (Medium Voltage Drives):** Range available for up to 19,000 kVA - up to 11 kV
- **LVD (Low Voltage Drives):** Range available for up to 450 kW



## Solar Inverters: Unlock the True Potential of Your Solar Energy System

High-efficiency solutions for solar projects, accelerating clean energy integration into the grid.



- **Central Inverters:** Range available up to 3.3 MW Outdoor Inverters for 1500 VDC, Up to 2500 kW for 1000 VDC.
- **String Inverters:** Range available for up to 6 kW for 1000 VDC (1ph), up to 125 kW for 1100 VDC (3ph) and up to 350 kVA for 1500 VDC (3ph)

## Railway Products: Empowering Efficient Rail Operations

Robust power electronics solutions ensuring operational continuity and safety for rail transport.

- **Under Slung Railway Inverters (For AC Coaches):** Available for 25 kVA
- **Regulated Battery Chargers (For LHB Coaches):** Available for 6.5 kW



### Hitachi Hi-Rel Power Electronics Pvt. Ltd.

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