

## Low Voltage Drives & PLCs

### Most Energy Efficient Means of Process Control



#### SJ700 Series Low Voltage Inverter

- Powerful and Compact Inverter
- 415 V Class
- From 0.75 kW to 450 kW
- Designed to meet the production and performance needs of OEMs and machine builders, system integrators, panel builders and end users
- Many standard features and capabilities and can be augmented with various communications and I/O options
- Can be easily configured to meet the requirements of wide-range of applications across various industry segments

#### SJ700i HVSeries Low Voltage Inverter

- Sensor Less Vector Control Inverter
- 690 V Class
- From 200 kW to 1800 kW
- Available in different configurations like 6 Pulse, 12 Pulse & AFE (Active Front End)
- Offers less engineering with time & money savings

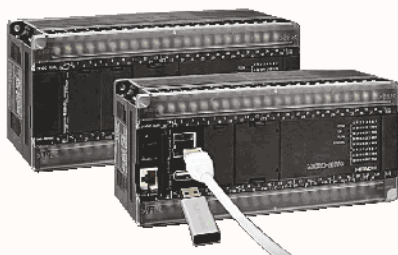


#### NE-S1 Series Low Voltage Inverter

- New Inverter – Small, Easy and Economical
- 1-Phase 200 V Class
- 3-Phase 400 V Class
- Offers space saving, easy operation and versatile functions,
- Conformity to global standards
- Optimal performance for energy saving applications such as fans & pumps and food processing machines

#### WJ200 Series Low Voltage Inverter

- Compact Inverter
- 3-Phase 400V Class
- Offers Industry leading performance
- Conformity to global standards
- Offers ease of use, ease of maintenance, environmental friendliness, various versatile functions



#### Micro EHV+ PLC

- All in one type compact and general purpose PLC
- CoDeSys Software conforms the IEC 61131-3 standard
- Full IEC compliant 3S CODESYS V3.5 platform
- Powerful communication performance in one CP
- Offers wide range of precise, digital, analog, remote I/O, positioning and temperature measurement modules
- New EtherCAT-Master In addition to communication protocols Modbus TCP Client and Modbus RTU Master

#### Micro EH Series PLC

- Combines maximum power and compact format
- The possibility of fine-tuning the MICRO-EH PLC to the required level of automation
- Full IEC compliant 3S CODESYS V3.5 platform
- Powerful communication performance in one CP
- Can perform easily simple positioning control by Pulse train output and speed control by the PWM output



## EHV+ Series PLC



- One of the first general purpose PLC's in the world based on the CoDeSys V3 runtime system
- Powerful & general purpose PLC
- Compatible with a variety of open networks through use of the onboard Ethernet interface
- Communication protocol CoDeSys V3
- Modbus TCP Client / Modbus RTU Master
- Programming languages according to IEC61131-3: LD, IL, FBD, ST, SFC, CFC
- Easy and efficient - Flexible choice of editors and usage of library functions considerably decreases programming time
- Fast and convenient debugging/testing during commissioning

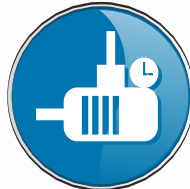
## Example Applications



Fans



Pumps



Compressors



Conveyors



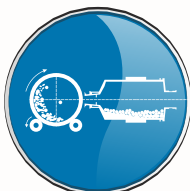
HVAC



Extruders



Winders



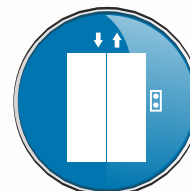
Ball Mill



Crane



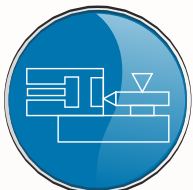
Crushers



Elevator



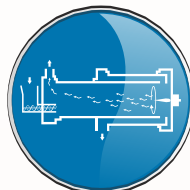
Hoist



Injection Molding



Mixer



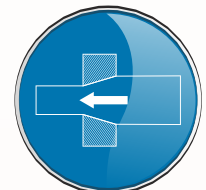
Rotary Klin



Textile Machines



Steel



Wire Drawing

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

Incorporated in 1983 as Hi-Rel Electronics Pvt. Ltd., we are now a Hitachi group company - Hitachi Hi-Rel Power Electronics Pvt. Ltd., recognized as a PIONEER IN POWER ELECTRONICS. With 3 decades of experience, we have garnered a significant level of trust in our market segment and continue to offer world class power electronics products, value added services & customized solutions.

We offer medium voltage & low voltage variable frequency drives, steel automation & engineered drives for customized applications, industrial automation & control products like PLC, SCADA & DCS, UPS, grid tied solar inverter, railway products and other customized products like UMPS, iDip (dip ride through solutions), etc.

- World class technology & innovation from Hitachi, Ltd., Japan
- State-of-the-art manufacturing facilities at Gandhinagar & Sanand in Gujarat, India
- In-house R&D (Research & Development) facility, recognized by DSIR (Department of Scientific & Industrial Research), Government of India
- An ISO 9001:2008, ISO 14001:2004 & BS OHSAS 18001:2007 Certified Company, adhering to world class quality standards
- Approved by major consultants and EPC contractors
- Serving entire gamut of industries
- PAN India & global presence

For more information on products, you may visit [www.hitachi-hirel.com](http://www.hitachi-hirel.com) or at [hodrivessales@hitachi-hirel.com](mailto:hodrivessales@hitachi-hirel.com) or at below contact details;

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