



FOR YOU, WE MAKE POWER EQUIPMENTS OF
HIGH QUALITY & GLOBAL STANDARDS
FOR US **WE BUILD ONLY TRUST**

danish
a unit of trust



A LINEAGE OF LEADERSHIP WITH TRUST

About us

Founded in 1985 by Mrs Shashi Talwar & Mr Dinesh Talwar, the company has evolved over the years and today is one of the leading quality conscious manufacturers of various types of Transformers, Panels & also provide Automation Services.

With over 40 years of expertise, we remain committed to delivering excellence. Our customer-first approach ensures strong, lasting partnerships, built on trust and superior service.

Quality Focus

Danish Power is dedicated to maintaining top-tier quality through a robust management system compliant with ISO 9001 standards. Approvals from major power sector leaders like NTPC, Tata Power, ABB, and Siemens validate our commitment. Our integrated quality system covers every aspect from vendor evaluation and incoming material checks to in-process and final inspections, ensuring rigorous adherence to quality standards.

Our NABL-accredited Testing Laboratory employs advanced equipment to guarantee that all products meet national, international, and customer standards. In addition, we adhere to ISO 14001 for Environmental Management and ISO 45001 for Occupational Health and Safety, underscoring our commitment to sustainability and safety in every aspect of our operations.

Quality-Focused Power Equipment Manufacturer

Established in 1985, Danish Power is a leading manufacturer and exporter of power equipment, renowned for its commitment to quality and reliability. We serve major power companies both in India and globally. Our extensive product range includes Oil & Dry Type Power and Distribution Transformers, Inverter Duty Transformers, Control Relay Panels, and Substation Automation Services.

Danish Power has earned significant accolades including the prestigious Star Export House Status from the Government of India and the EEPC National Award for Export Excellence in Transformers for four consecutive years. Additionally, we have been recognized as one of India's Top SMEs by Dun & Bradstreet and MSME, highlighting our ongoing dedication to excellence and innovation in the industry.

Exports

Exports remain a crucial segment in our business. With the experience of supplying our products to over 33 countries, we possess the knowledge and expertise of specific customized requirements of various specifications of clients around the world.

Our commitment to quality has won us the National Award for Export Excellence in Transformers for four years in a row, highlighting our key role in promoting India's presence worldwide.

High-Tech Manufacturing Facilities & Infrastructure

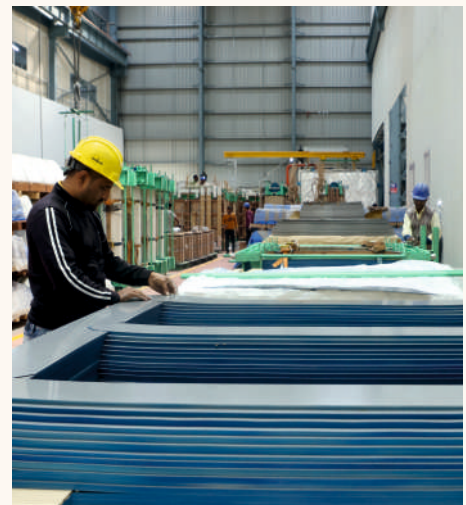
Danish Power operates two advanced manufacturing facilities spread across 6 acres in Jaipur, Rajasthan, India. Our state-of-the-art facilities are equipped with modern technology and comprehensive in-house capabilities for efficient production and material handling, ensuring timely and smooth operations.

Our NABL-accredited testing lab is equipped for routine and specialized tests, including Lightning Impulse Withstand, Capacitance-Tan Delta, Temperature Rise, and Partial Discharge tests. Complete in-house manufacturing facilities comprising of state of art plant and machinery such as Horizontal & Vertical Winding Machines, Foil Winding Machines, Vacuum Change Drying Ovens, Vapor Phase Drying Ovens, Hydraulic Core Lifting, material handling facilities, etc enable a fast and efficient production cycle.

DRIVEN BY HUMAN EXPERTISE AND CREATIVITY

At Danish Power, our most valuable asset is our team. We pride ourselves on a vibrant mix of youthful creativity and seasoned expertise. Our talented design engineers, software specialists, and draughtsmen leverage the latest technologies in design and engineering.

Supported by dedicated R&D and quality control teams, we consistently produce top-notch products. Our ongoing focus on training and innovation in manufacturing, quality control, and customer support solidifies our reputation as a leading supplier in both domestic and international markets.



OIL IMMERSED TRANSFORMERS

Danish Transformers are known for delivering excellent performance. The expert R&D team develops one of the most advanced designs to withstand short-circuit.

FEATURES

Robust design to take care of frequent short circuits.

Step up and Step down transformers offered.

Utmost care in workmanship & selection of quality raw materials ensures long & maintenance free life.

Various rating Type-Tested for Short Circuit, Impulse Voltage with stand & Temperature Rise Tests at KEMA, CPRI & ERDA.

Strong After Sales Support available across the world.

Windings made up of Copper or Aluminum manufactured using Strip (PICC or CTC) /Wire / Foil.

Indoor or Outdoor Applications

Manufactured with prime CRGO using step-lap design for low losses along with availability of Hydraulic Core Lifting Facility.

Low Noise Levels

Tailor Made to meet customer requirements.

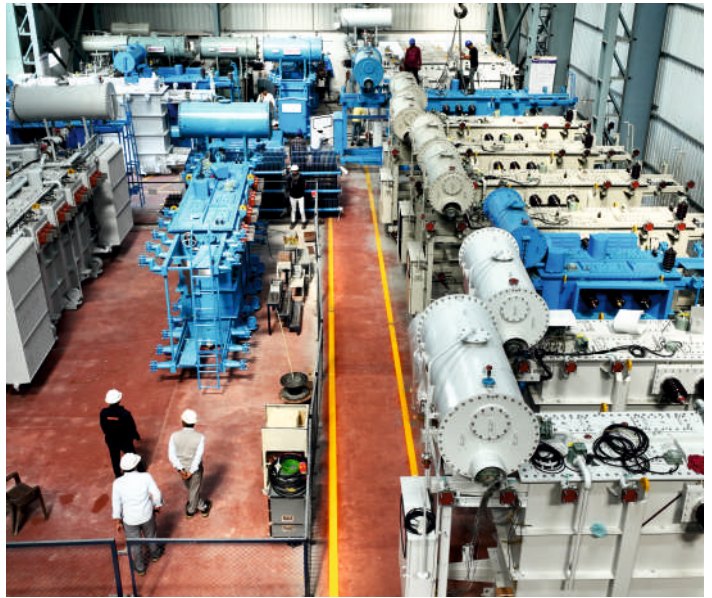
Low Loss & Super Low Loss Transformers available.

"STANDARD" mark Transformers (CM/L No : 8400030004) as per latest IS:1180 (2014) available with Level1, Level2 & Level3 efficiency levels along with BEE Star Labelling.



CM/L No: 8400030004





TECHNICAL SPECIFICATIONS

- ▶ Ratings : Power Transformers 3 phase from 5 MVA 33 kV Class to 100 MVA 245 kV Class.
- ▶ Distribution Transformers 3 Phase starting from 50 kVA to 5000 kVA 33 kV Class & 1 phase upto 33 KV 333 kVA
- ▶ Frequency: 50/60 Hz
- ▶ Applicable Standards : Latest versions of IS:1180, IS:2026, IEC:60076, ANSI 57, BS, SANS
- ▶ Class of Insulation : A/B/E
- ▶ Cooling typically as ONAN (Oil Natural Air Natural) but also available with other High Capacity Cooling options such as KNAN (Ester Fluid Transformers) ONAF (Oil Natural Air Force), OFAF (Oil Forced Air Forced), OFWF (Oil Forced Water Forced), or others upon request.
- ▶ Vector Group: Any as per customer requirement like Dyn11, Yzn11, Dd0, etc.
- ▶ Insulating Fluid: Mineral Oil / Silicon Oil, both inhibited & inhibited, as per IS/IEC/ANSI/BS/SANS Standards, or optional Natural Ester Fluid or Synthetic Ester Fluid.

OPTIONS

- ▶ Corrugated Fin Radiators or Pressed Steel Radiators
- ▶ Sealed type or Breathing type with Conservator
- ▶ CSP (Completely Self-Protected) Type
- ▶ DGPT2/DMCR multifunction device for sealed type transformers
- ▶ Tappings: Off Circuit Tap Changer with tapping range of 5, 7 or 9 positions OR On Load Tap Changer with an Automatic Voltage Regulating & Remote Tap Change Control Panel (AVR cum RTCC Panel) with tapping range from 7 to 27 positions
- ▶ Termination: Porcelain / Cycloaliphatic / Epoxy / Touch Proof Plug-in type Bushings with option of Cable Box / Bus Duct
- ▶ RTD Temperature Sensors (analog/digital) for alarm & trip, with options of 4-20 mA output or RS-485 for SCADA compatibility
- ▶ Option available with long life Maintenance free Breathers
- ▶ Tanks: Usually made of Mild Steel but also available of Stainless Steel
- ▶ Paint options for tanks such as Flow Painting (PU Paint), Powder Coating or Metallizing / Galvanization

SPECIAL TRANSFORMERS

Danish has an in-house Design & Engineering team capable of designing & manufacturing transformers for special applications such as furnace, rectifier, solar, multi-tap, etc. With successful passing of Short Circuit Withstand Test of 18 MVA Aluminum Wound 5 Winding Inverter Duty Transformer, Danish added another feather in its cap since its the country's highest rating of Inverter Duty Transformer.



INVERTER DUTY TRANSFORMERS

- ▶ Primarily used for Solar / Wind Power Generation.
- ▶ Typical range from 1 MVA to 20 MVA.
- ▶ 3/4/5/7 Winding Inverter Duty Step up Transformers available as Oil Cooled or Dry Type Cast Resin Type.
- ▶ Designed to meet the inverter requirements in terms of vector, impedance, input voltage, etc.
- ▶ Three & Five Winding Transformers Type Tested to withstand dynamic & thermal effects resulting of a secondary Short Circuit as per IS:2026 / IEC 60076-5 from International Recognized Laboratories.
- ▶ Designed for Reduced Harmonics
- ▶ Supplied for over 12 GW Solar Plants with Over 1500 installations across India & Internationally as well.

CONTAINERIZED SUBSTATION TRANSFORMERS

- ▶ Multi Tap HV Voltage Transformers available such as 3.3-6.6-11 kV or 11-22-33 kV.
- ▶ Oil Immersed or Cast Resin Type Transformers.
- ▶ Upto 6.3 MVA (2x3.15 MVA Transformers).

COMPACT/MINI SUBSTATIONS

BOOSTER TRANSFORMERS



FURNACE TRANSFORMERS

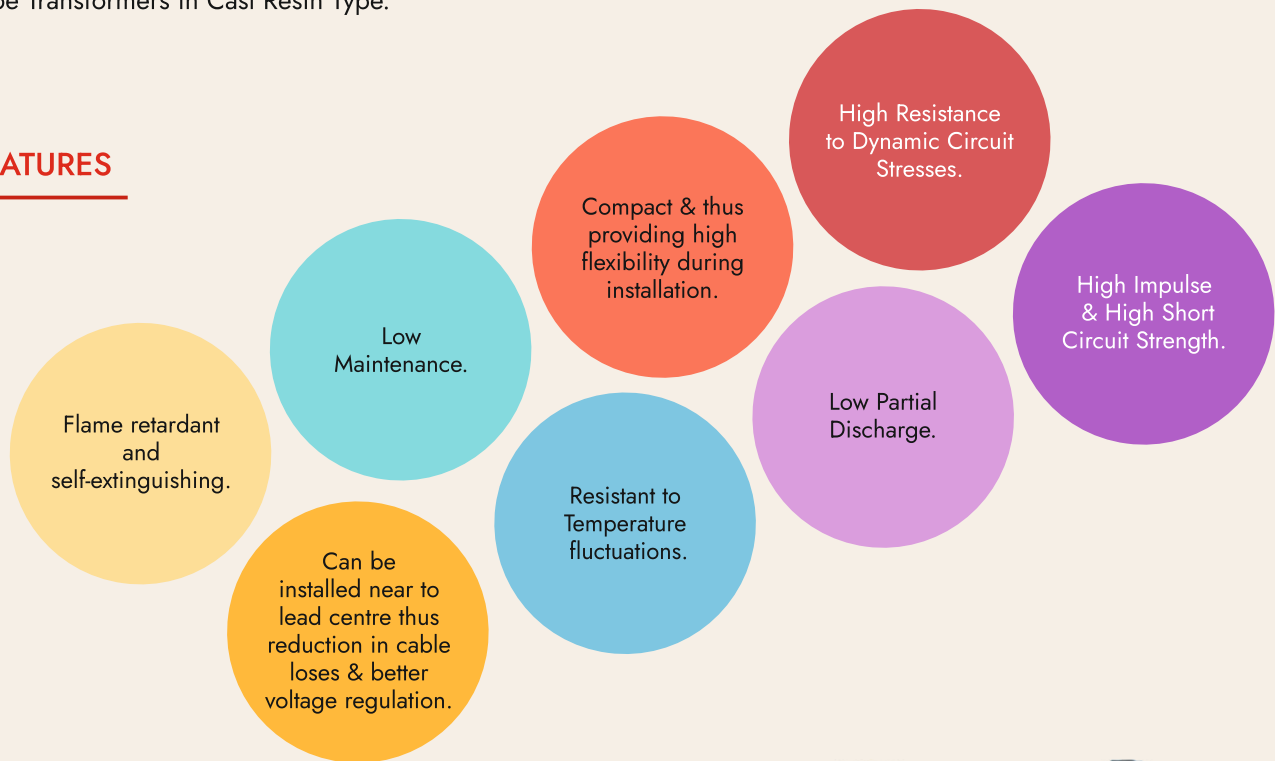
SKID CONTAINERISED SUBSTATIONS



DRY TYPE CAST RESIN TRANSFORMERS

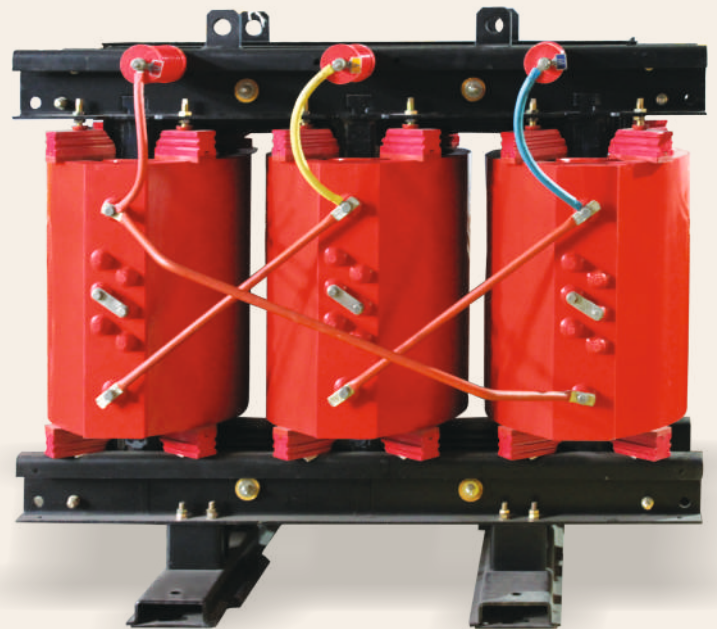
With the experience gained in manufacturing oil filled Power and Distribution Transformers, Danish also manufactures Dry Type Transformers in Cast Resin Type.

FEATURES



TECHNICAL SPECIFICATIONS

- ▶ Ratings: 3 phase upto 33 kV 10,000 kVA.
- ▶ Copper or Aluminum Wound.
- ▶ Frequency: 50/60 Hz.
- ▶ Applicable Standards: IS:2026; IS:11171, IEC:60726, ANSI C.12.01, BS, SANS.
- ▶ Class of Insulation: F/H.
- ▶ Cooling: AN (Air Natural), ANAF (Air Natural Air Forced)
- ▶ Standard Accessories as per customer specifications.



OPTIONS

- ▶ Tap Changer: Off Circuit Tap Links / Changer or On Load Tap Changer with RTCC Panel.
- ▶ Enclosure: IP 21 to IP 65, with cable boxes / bus ducts as per customer requirement.
- ▶ RTD Temperature Sensors for alarm & trip, with options of 4-20 mA output or RS-485 for SCADA compatibility.

CONTROL RELAY PANELS & SUB-STATION AUTOMATION

A dedicated team at Danish is responsible for design, engineering & manufacturing of Control & Relay Panels and providing Substation Automation Solutions.



CONTROL RELAY PANELS RANGE

- ▶ Panels manufactured for system voltages from 11 kV upto 400 kV offering various protection schemes.
- ▶ Line Protection C&R Panels.
- ▶ Bus Coupler C&R Panels.
- ▶ Synchronizing Panels.
- ▶ Bus Bar protection Panels.
- ▶ Network control Panels for Substation Automation.
- ▶ Generator Protection C&R Panels.
- ▶ Transformer Protection C&R Panels.
- ▶ RTU & Telemetry Panels.

FEATURES

World class Numerical Protection Relays (Differential, Distance Protection, Bus Bar, Over current, etc.) available with option of IEC 61850 protocol.

Designed, manufactured, tested and supplied as per customer's specifications.

Panels are fabricated using CRCA sheet with modular construction.

Type Tested for Degree of enclosure protection IP:31 to IP:55 offered as per IS:13947.

Fully Air-Conditioned Assembly Area.

Fully Trained Team for complete commissioning of Control Relay Panels.

Simplex & Duplex type panel design offered with option of Single / Double Glass Doors.

Approvals in most transmission utilities.

Power flow as per Mimic Diagram.

Suitable for Indoor / Outdoor Duty.

Painting process involves Nine-tank process of pre-treatment followed by power coating

Site Testing & Commissioning by expert team of Danish.



SUB-STATION AUTOMATION SYSTEMS

Providing remote control & monitoring functions for all kind of transmission sub-transmission & distribution substations.

Solutions & System Sales

Design	Engineering	Testing	Commissioning & AMC
Complete design of automation system	Configuration of the system	Testing of the configured system	Commissioning of the system
Hardware/software	Drawing & documentation	Reporting	AMC

Engineering Services

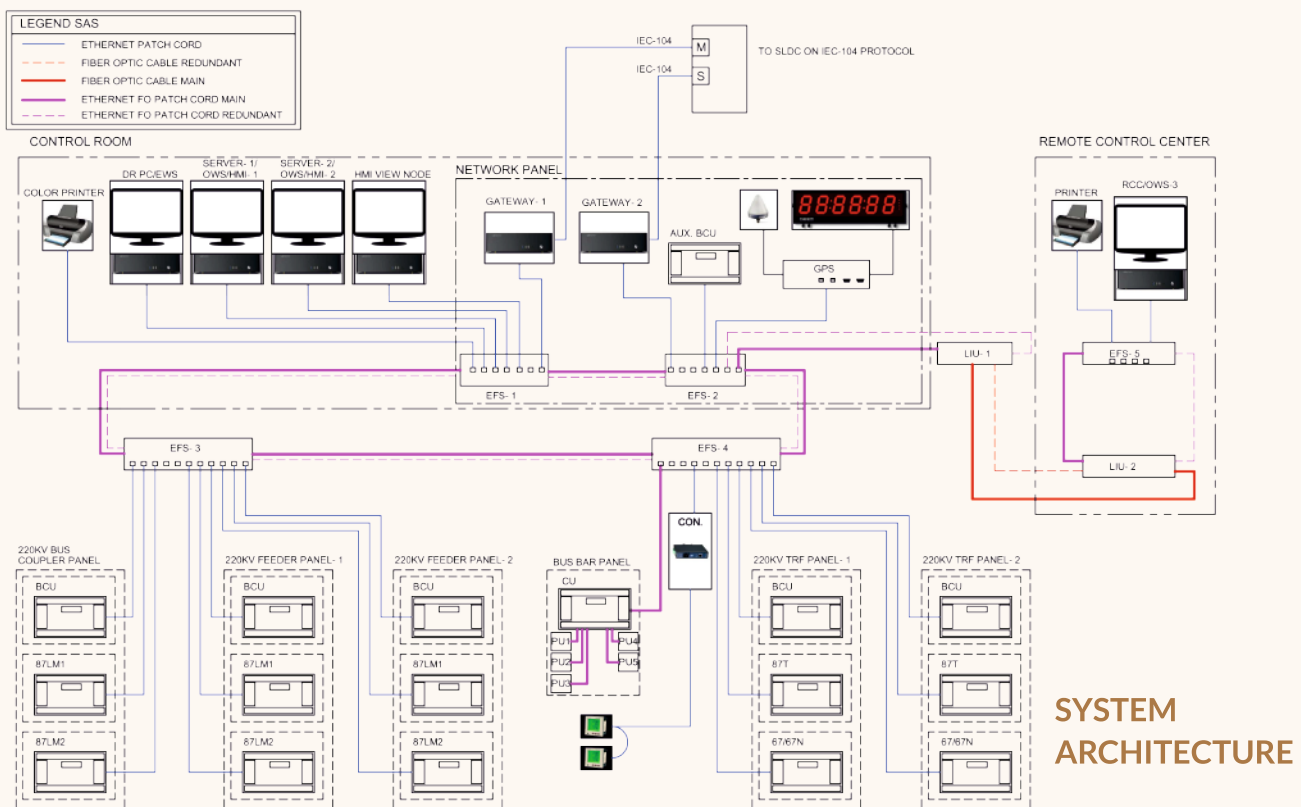
Complete end - to - end engineering services and field engineering services

Features

Communication	OS Support	Hardware Support	Anti-virus Support
IEC 61850-8-1 IEC 61850-8-2 IEC 60870-5-101/104 DLMS Modbus DNP3 SNMP SNTP OPC UA	Window 10/11/Linux (Ubuntu/Redhat) / MacOS	x86 and ARM based depending on the requirement the sizing of RAM and ROM may be decided	McAfee and Kaspersky

Application Areas

1. Substation automation
2. ADMS
3. Local data monitoring system



OUR GLOBAL SUPPLIES

Over the years Danish has achieved a commendable position in the global market for its product categories, having expanded beyond the country barriers into International markets. We have been extensively exporting all our products worldwide, owing to our low production cost and high engineering quality, adding up to make us an optimum choice.

- | | | | |
|-------------------------|----------------|----------------|---------------------|
| 1. United Kingdom | 11. Nepal | 21. Tanzania | 31. Ghana |
| 2. Greece | 12. Bangladesh | 22. Rwanda | 32. Guinea |
| 3. Australia | 13. Sri Lanka | 23. Zambia | 33. Senegal |
| 4. Malta | 14. Myanmar | 24. Malawi | 34. Jordan |
| 5. United Arab Emirates | 15. Bhutan | 25. Mozambique | 35. Vietnam |
| 6. Bahrain | 16. Laos | 26. Burundi | 36. Papa New Guinea |
| 7. Iran | 17. Maldives | 27. Chad | 37. Gabon |
| 8. Syria | 18. Ethiopia | 28. Nigeria | 38. Iraq |
| 9. Oman | 19. Kenya | 29. Benin | |
| 10. Afghanistan | 20. Uganda | 30. Togo | |



OUR ESTEEMED CLIENTELE



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RECENT APPRECIATIONS & ACCOLADES

2022

Danish sets up new manufacturing with larger space & modern infrastructure in Mahindra World City, Jaipur.

2022

Danish is the first company in the country to manufacture and get Type tested for 18 MVA Aluminum wound 5 winding Inverter Duty Transformer.

2022

Danish is the first company in the country to manufacture and get the BIS Licence for Ester Filled Transformers.

2023

Danish wins the India SME 100 Award, Oct 2023.

2023

Danish wins the "Leaders in Technology Award" for Inverter Duty Transformers, By Solar Quarter, in the Solar Quarter Business Meet Awards, Rajasthan, June 2023.

2023

Danish is shortlisted for the Economic Times MSME Award 2022, Dec 2023

2023

Danish wins the Best Supplier Award by Tata Power Delhi Distribution Ltd.

2024

Danish wins the Excellence in Energy sector Award by Economic Times Rajasthan.

2024

Danish wins the National EEPC Award, Jan 2024.

2024

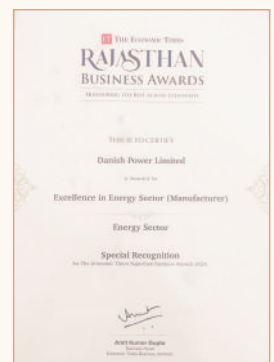
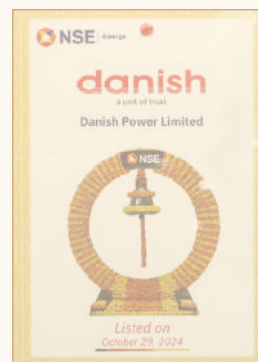
Danish is shortlisted as Top SME by Dun & Bradstreet, July 24.

2024

Danish wins the Best MSME award by Economic Times, Rajasthan.

2024

Danish Power is listed on the National Stock Exchange.





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a unit of trust

DANISH POWER LIMITED

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**Products Type Tested from CPRI/ERDA/KEMA
& approved by Global Power Sector Leaders**



CM/L No:
8400030004



NABL Certificate
No.: TC-14895

