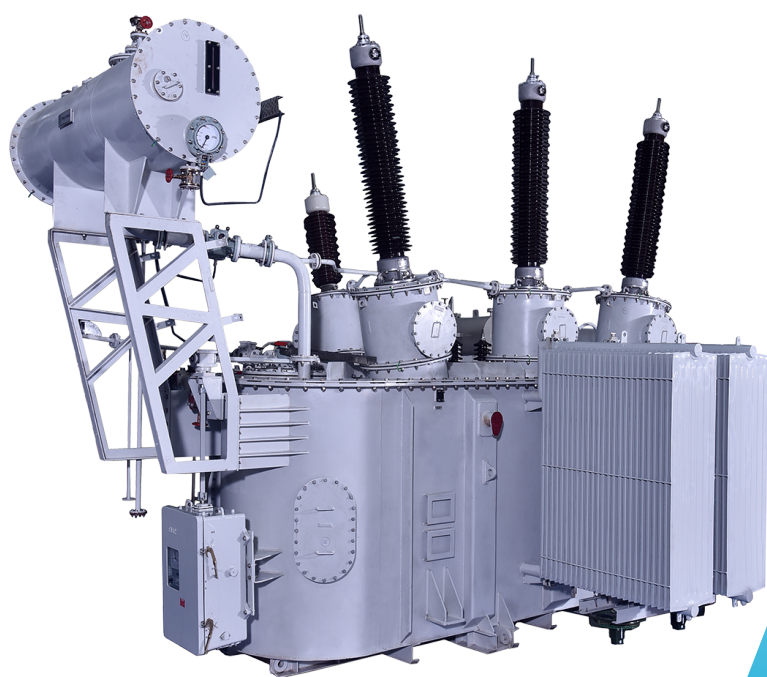




POWER STAR
TAKING ELECTRICITY AHEAD

SIMPLY THE BEST





BREAKTHROUGH PERFORMANCE

What makes Power Star Electricals Limited (PSEL) a trusted name in Power, Distribution, and Special Purpose Transformers is its unwavering commitment to quality, innovation, and performance. With robust infrastructure, technical expertise, and a strong sense of purpose, PSEL continues to energize industries and empower progress—one transformer at a time.



POWER STAR
TAKING ELECTRICITY AHEAD

ABOUT US

POWER STAR ELECTRICALS LIMITED is one of India's leading manufacturers of Power and Distribution Transformers. Established in 2010 with a focus on manufacturing Distribution Transformers, the company quickly earned the trust and recognition of the market. Encouraged by the overwhelming response, we expanded our product line in 2013 to include Power Transformers and Servo Voltage Stabilisers.

Continuing on our path of growth and diversification, we ventured into the production of Dry Type Transformers between 2016 and 2017, further strengthening our position in the transformer industry.

Today, **PSEL** caters to a broad spectrum of clients, ranging from utility companies and industrial sectors to the renewable energy domain and individual retail customers both in India and abroad.

With the commissioning of our state-of-the-art manufacturing facility in April 2020, we have significantly enhanced our production capabilities.

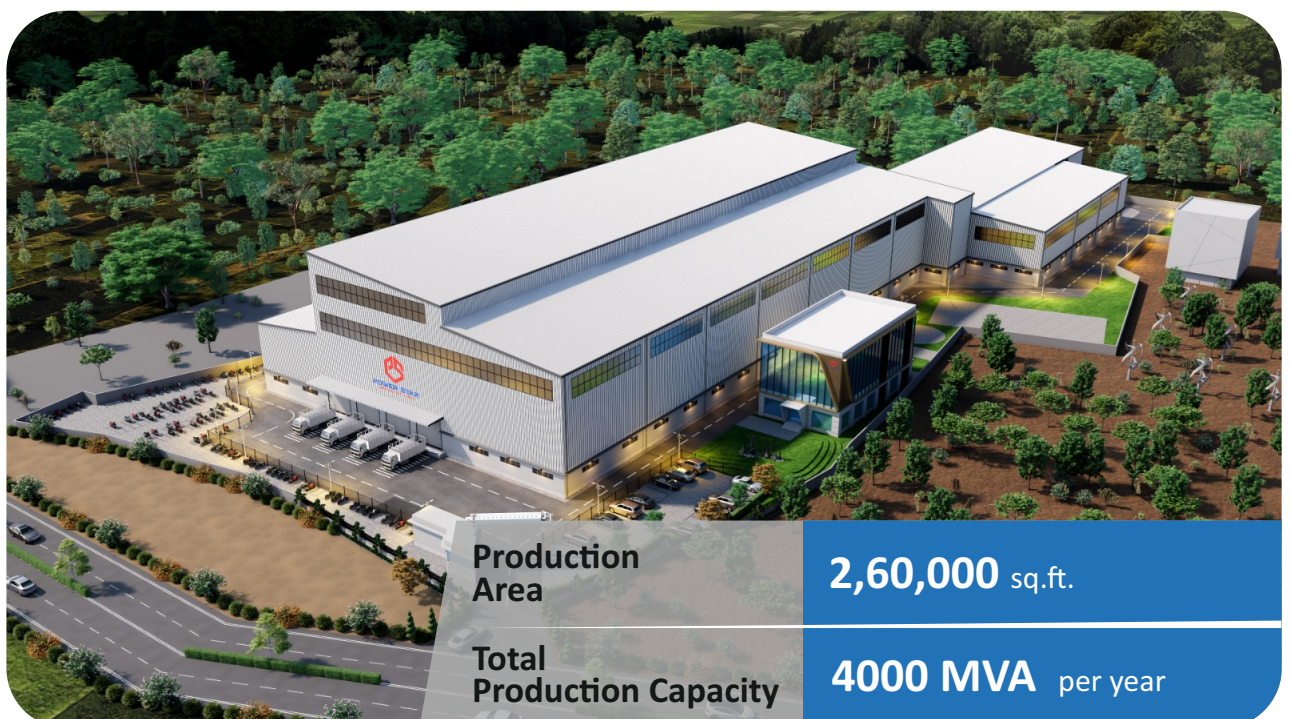
We are now equipped to manufacture transformers up to 50 MVA, 132 kV Class, with an annual capacity of up to 4000 MVA.

At **POWER STAR ELECTRICALS LIMITED**, we are committed to innovation, quality, and customer satisfaction, delivering reliable energy solutions that power the future.



**MANUFACTURERS OF POWER &
DISTRIBUTION TRANSFORMERS**

up to **50 MVA** | **132 KV** class



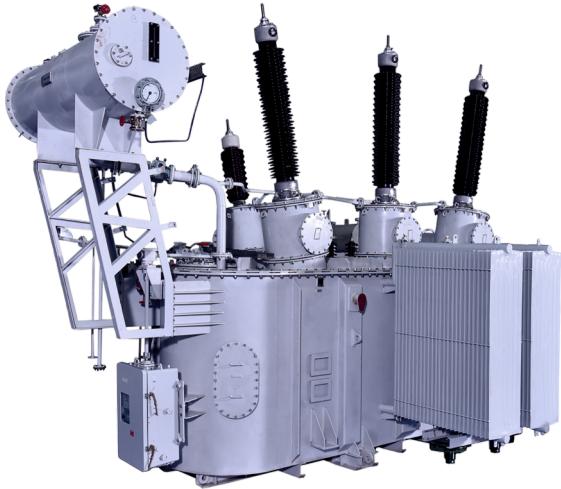
**Production
Area**

2,60,000 sq.ft.

**Total
Production Capacity**

4000 MVA per year

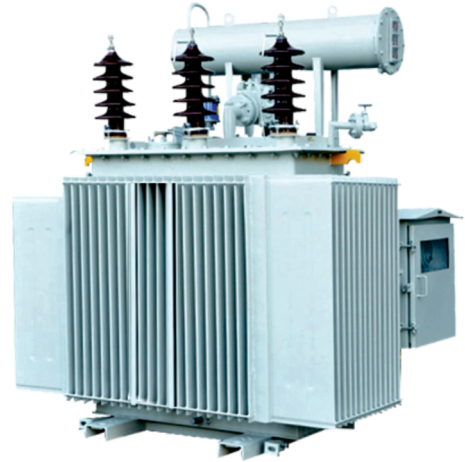
PRODUCT RANGE



3 Phase Power Transformer

5 MVA to 50 MVA

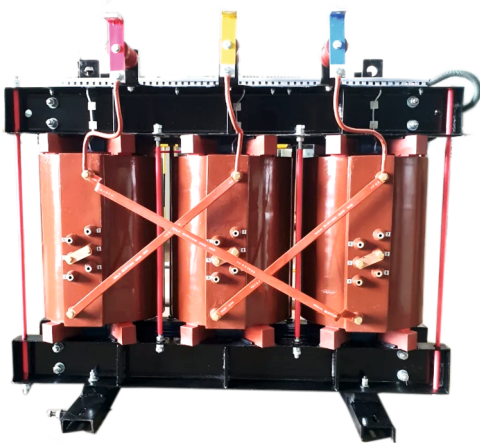
Up to 132 KV CLASS



3 Phase Medium Distribution Transformer

500 KVA to 5 MVA

Up to 33 KV Class



Dry Type Transformer

63 KVA to 10 MVA

Up to 33 KV Class



Inverter Duty Transformer for Solar Application
Windmill Transformer

200 KVA to 50 MVA

Up to 132 KV Class

SEGMENTS CATERED



Private Utility Companies



Renewable Energy
Solar, Wind & Hydel



Cement, Sugar, Steel
& Hydrocarbon Industries



Large Scale
EPC Contractors

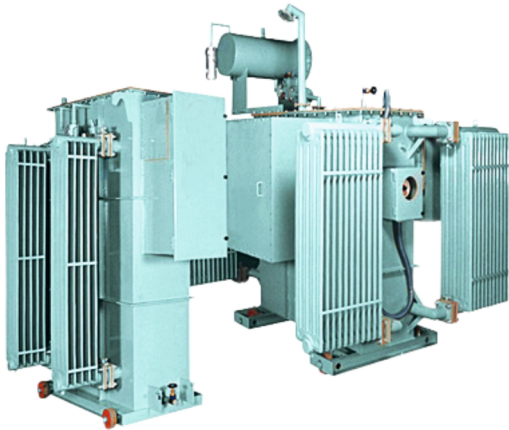


Corporate
Client



Power Plant
Development

SPECIAL PURPOSE EQUIPMENTS



HT-AVR & Transformer
with Built-in AVR

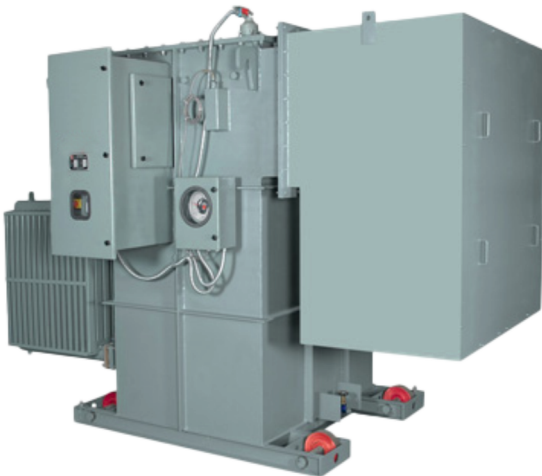
500 KVA to 8 MVA

Up to 33 KV CLASS

Converter Transformers
Arc / Submerged Arc
Refining Furnace Transformers
Rectifier Transformers
Special Transformers Reactors

200 KVA to 50 MVA

Up to 132 KV CLASS



Rolling Contact Type LT
Automatic Voltage Stabilizer
(Oil Cooled)

Up to 5000 KVA



Hydel
Transformer



Furnace
Transformer



Generator
Transformer



Pad-Mounted
Transformer



Earthing
Transformer



Converter
Duty Transformer



Isolation
Transformer

MANUFACTURING FACILITIES

Dust Free Environment



Positive air pressure and Epoxy flooring for dust free environment in entire plant.

Foil Winding Capability



Two PLC Based Fully Automatic Parallel Foil winding Machines with Automatic Argon or Helium Gas Based Brazing facility. Capacity to do 1200 mm foil winding.

PLC Based Autoclave



Programmable logic control Autoclave for Heating and fine Vacuum (0.1milbar) for drying of Core coil assembly suitable for 145KV system voltage.

- ▶ Hydraulic core lifting tables - 5, 15 and 25 Ton.
- ▶ HV and LV Winding machines are micro-processor controlled with pneumatic pressure arrangement and automatic paper feeding and bending arrangement.
- ▶ Manufacturing flow in line with LEAN concept.
- ▶ Traceability, Identification, stock integrated with SAP software.

Oil Filling under Fine Vacuum



100% Transformer Oil filling under Fine Vacuum using a fully automatic PLC controlled oil handling system with overhead oil storage tank for filtered oil.

- ▶ Fully automatic Online oil moisture ppm measuring facility more suitable for 145KV System voltage.
- ▶ Separate systems for IEC specified, IS specified and Ester oil to avoid mixing.
- ▶ Material Storage and handling with Modern technology along with auto stacker.
- ▶ In house insulation cutting area.

Low Frequency Heating (LFH) Drying of Large Transformers



- ▶ Short drying time that is 30-50% less than conventional drying processes with hot oil circulation and vacuum system results in shorter downtime of the unit.
- ▶ High drying efficiency, reducing moisture to very low level.
- ▶ Onsite service eliminates the risks and costs associated with transportation of Transformer.
- ▶ Moisture (water) removed can be measured.

COIL CASTING PLANT(VACUUM)

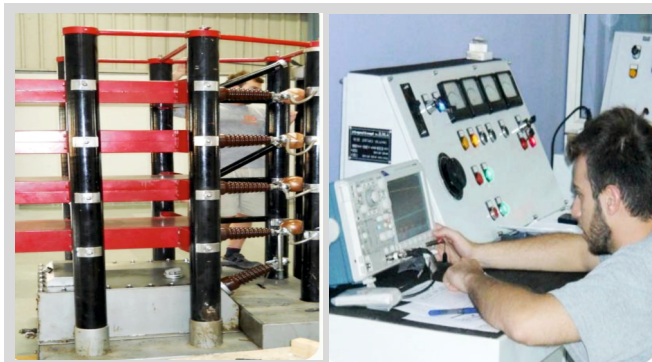
- ▶ **Consistent Quality** – Ensures uniform resin mixing, vacuuming, and casting for reliable product quality.
- ▶ **Reduced Human Error** – Minimizes dependency on operator skill, improving accuracy and repeatability.
- ▶ **Better Vacuum Impregnation** – Superior air removal ensures void-free casting, enhancing insulation performance.
- ▶ **Improved Resin Mixing Ratio** – Automatic precision in resin-hardener mixing ensures better mechanical and dielectric strength.
- ▶ **Data Logging & Traceability** – Allows recording of casting parameters for quality assurance and audits.



TESTING FEATURES

In-house Impulse Generator
with Chopping 900 KVP / 90KJ

Impulse Generator



3 Testing Laboratories

Automatic Testing Panels



GLOBAL FOOTPRINTS



POWER STAR ELECTRICALS LIMITED

Corporate Office & Unit I: Building No./Flat No.: Village Kharuni (1228)
Road/Street: PO- Manpura Locality/Sub Locality: Tehsil Baddi
City/Town/Village: Kharuni | District: Solan | State: Himachal Pradesh
PIN : 174101

Unit II: Khasra No. 217/7-03, 218/02-17, 219/01-16, 220/00-08
Village: Talliwala | Tehsil: Baddi | District: Solan | State: Himachal Pradesh
PIN: 173205

Unit III: (Under Construction-having capacity upto 200 MVA 220 Kv class)
Village: Haraiur PO Gurumajra | Tehsil: Baddi | District: Solan | State: Himachal Pradesh
PIN: 174103

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