

COMPACT SUBSTATIONS

Up to 2500 kVA | Up to 33kV | Indoor & Outdoor Applications



SAFE



SPACE-SAVING



FACTORY BUILT



LOW MAINTENANCE



25+ YEARS OF
ENGINEERING EXCELLENCE

Integrated HT Switching • Transformer • LT Distribution - All in One Solution

DRY TYPE COMPACT SUBSTATIONS

**SMARTLY ENGINEERED.
BUILT TO PERFORM.**

Powertech Dry Type Compact Substations combine HT Switching, Dry Type Transformer and LT Distribution in a single, enclosed and compact unit.

Designed for safety, reliability and efficiency - for every demanding power distribution need.



HT COMPARTMENT

- HT Switchgear / RMU
- VCB / SF6 / LBS Options
- Protection & Metering
- Safe & Interlocked

DRY TYPE TRANSFORMER COMPARTMENT

- Cast Resin (Vacuum Pressure Impregnated)
- Dry Type Transformer
- Up to 2500 kVA
- High Efficiency & Low Loss
- Class F / H Insulation
- Superior Thermal Performance

LT COMPARTMENT

- LT Distribution Panel
- ACB / MCCB / MCC
- Busbar System
- Outgoing Feeders

TECHNICAL SPECIFICATIONS

	Rated Capacity	Up to 2500 kVA
	Voltage Level (HT)	Up to 33kV
	Voltage Level (LT)	Up to 1.1kV
	Frequency	50 Hz
	Transformer Type	Dry Type (Cast Resin / VPI)

	Enclosure Protection	IP 23 / IP 43 / IP 54
	Short Circuit Withstand (HT)	Up to 25kA
	Short Circuit Withstand (LT)	Up to 50kA
	Ambient Temperature	-5°C to +50°C
	Altitude	Up to 1000 m (Above available on request)

**ONE COMPACT UNIT.
COMPLETE POWER SOLUTION.**



BENEFITS OF CSS



COMPACT FOOTPRINT

Saves valuable space with integrated design and high power density.



ENHANCED SAFETY

Dry type insulation eliminates fire risk and reduces hazard, ensuring safe operations.



LOW MAINTENANCE

Dry type components with robust construction ensure minimal maintenance and long service life.



ECO-FRIENDLY

Environment friendly solution with no oil, no leakage and lower environmental impact.



HIGH RELIABILITY

Factory built, tested and engineered for consistent and reliable performance.



FAST INSTALLATION

Plug & play solution for quick installation and early commissioning.

ADVANCED MANUFACTURING



CNC LASER CUTTING MACHINE



HV FOIL WINDING MACHINE



VACUUM CASTING PLANT



FOIL WINDING MACHINE



CNC BUSBAR MACHINE

BUILT FOR EVERY APPLICATION



INDUSTRIAL PLANTS



COMMERCIAL COMPLEXES



RENEWABLE ENERGY PROJECTS



RESIDENTIAL TOWNSHIPS



INFRASTRUCTURE PROJECTS



HOSPITALS & INSTITUTIONS

ONE COMPACT UNIT.
COMPLETE POWER SOLUTION.



WHY CHOOSE POWERTECH?

For over 25 years, Powertech has delivered reliable and efficient power solutions with a strong commitment to quality, innovation, safety, and customer satisfaction.



IN-HOUSE MANUFACTURING

State-of-the-art manufacturing infrastructure and skilled engineering expertise.



QUALITY TESTED

Every compact substation is factory assembled and rigorously tested.



CUSTOM ENGINEERING

Tailor-made solutions designed as per project requirements.



RELIABLE PERFORMANCE

Built for long service life with minimal maintenance.



SAFETY FOCUSED

Designed with operator and equipment safety as priority.



AFTER SALES SUPPORT

Dedicated technical assistance and service support.

TRUSTED BY INDUSTRY LEADERS



CONTACT US



Plot No. 62/2, Part CIE, Gandhi Nagar,
Balanagar, Hyderabad, Telangana 500037



www.powertechtransformers.in



info@powertechtransformers.in



+91 996 3333 752 | +91 996 3333 758

25+

YEARS

OF ENGINEERING EXPERIENCE



Powering Growth. Building Trust. Delivering Value.