



Enabling to be powerful

POWERTECH
TRANSFORMERS & CONTROLS PVT LTD

INVETER DUTY TRANSFORMER

BUILT FOR HARMONIC PRECISION.

Advanced Inverter Duty Transformers designed for solar, VFD, and high-distortion environments.



UP TO 33kV
APPLICATIONS



HIGH HARMONIC
WITHSTAND CAPABILITY



OPTIMIZED FOR
RENEWABLE & INDUSTRIAL LOADS

Powering Renewable Systems.
Ensuring Grid Stability.

TECHNICAL SPECIFICATIONS

Powertech Inverter Duty Transformers are precision engineered to perform under high harmonic distortion and non-linear load conditions. Designed with advanced insulation, thermal optimization, and robust construction, they deliver reliable, efficient, and long-lasting performance in the most demanding environments.

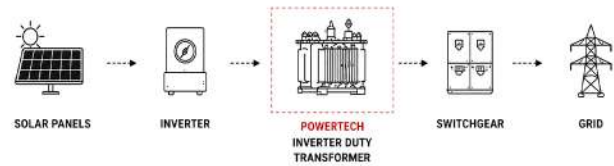
TECHNICAL SPECIFICATIONS

	CAPACITY	Up to 17.6 MVA
	VOLTAGE CLASS	Up to 33kV
	COOLING	ONAN/ KNAN
	FREQUENCY	50 Hz
	VECTOR GROUP	As per Requirement
	STANDARDS	As per IS 2026
	IMPEDANCE	As per Customer Requirement
	CONDUCTOR	Aluminium / Copper
	TAPPING'S	OCTC / OLTC
	LV INPUTS	1 / 2 / 3 / 4 (or) As per Customer Requirement

KEY PERFORMANCE FEATURES

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HIGH HARMONIC WITHSTAND CAPABILITY
Designed to handle high THD levels from inverter-based systems.
- 
LOW ADDITIONAL LOSSES
Optimized core and winding design for reduced losses under non-linear loads.
- 
HIGH THERMAL ENDURANCE
Superior insulation and cooling design for reliable performance in demanding conditions.
- 
LONG SERVICE LIFE
Robust construction and premium materials for decades of trouble-free operation.

SOLAR PLANT TO GRID CONNECTION



ADVANCED MANUFACTURING

FOIL WINDING EXCELLENCE

Our advanced manufacturing infrastructure is built to deliver precision, consistency and unmatched quality in every component of our Inverter Duty Transformers.



PRECISION FOIL WINDING

High accuracy foil winding for uniform current distribution, reduced losses and enhanced performance.



AUTOMATED PRODUCTION EXCELLENCE

Automated and controlled processes ensure consistent quality, short lead times and zero compromise.

STATE-OF-THE-ART TESTING LAB

Every Inverter Duty Transformer undergoes stringent testing at our in-house laboratory to ensure it meets national and international standards for safety, reliability and performance.



ROUTINE & TYPE TESTING

All units tested as per IS / IEC standards for complete performance verification.



HIGH VOLTAGE TESTING

Withstanding voltage and insulation tests for maximum safety.



ACCURACY CALIBRATION

Precision calibration to ensure reliable measurement accuracy.



INSULATION TESTING

Comprehensive insulation resistance and dielectric tests.



QUALITY ASSURED

Every stage. Every product.
Zero compromise.



ENGINEERED PRECISION

Advanced technology and
skilled engineering.



BUILT TO LAST

Reliable performance in the
harshest environments.

WHY CHOOSE POWERTECH?

Engineering trust. Delivering performance.
Building a powerful tomorrow.



ENGINEERING EXCELLENCE

Advanced design and
precision engineering
for unmatched
performance.



QUALITY ASSURED

Stringent quality
checks at every stage
ensure reliability
you can trust.



STATE-OF-THE-ART MANUFACTURING

Modern infrastructure
and automated
processes for
consistent quality.



EXPERIENCED TEAM

Skilled professionals
with deep domain
knowledge and
industry expertise.



CUSTOMER FOCUSED

Responsive support
and customized
solutions tailored to
your needs.



BUILT FOR THE FUTURE

Innovative, efficient
and sustainable
solutions for a
smarter tomorrow.

25 YEARS OF POWERING PROGRESS

For over two decades, Powertech has been
at the forefront of power transformation,
delivering innovative, reliable and efficient
transformer solutions across industries.

25+
YEARS
OF LEGACY

1500+
TRANSFORMERS
DELIVERED

500+
HAPPY
CUSTOMERS



GET IN TOUCH

Share your requirements
and our team will get back to
you with the best solution.



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