

# GEIS



## GEIS Wave Cast Dry Type Transformers

Wave Cast Dry Type Transformers from GEIS are characterized by high safety, reliability, energy-savings, and convenient maintenance. Advanced design of the winding assembly establishes superior performance to meet today's exacting needs. Indoors or outdoors, they are designed for use in the most demanding and diverse environments and in all applications requiring reliable power.

Wave Cast Dry Type Transformers has passed the entire routine and type test carried out by third party laboratories, such as KEMA, CTQC (China). The test approvals include C4 climate class, E4 environment class, F1 fire behavior grade, 5S short-circuit capability, typical lightning impulse and temperature rise test.



GEIS Electric

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- **Environmental safety:** It is understood that cast resin transformers provide enhanced safety as they are free from flammable oil insulation
- **High capability of short-circuit withstand:** GEIS designs and manufactures its cast coils to be among the strongest in the industry, Short circuit tests have proven this strength well beyond IEC and ANSI requirements
- **Impervious to adverse atmospheric conditions:** The epoxy casting is extremely inert and renders the windings impervious to moisture, dirt and corrosive elements
- **Simple indoor installation and convenient maintenance:** Indoor installations do not require an automatic fire extinguishing system or fire vault, oil checking or replacing, or a liquid confinement area
- **Extended ratings:** GEIS cast coil transformers can be provided with the highest self-cooled and fan-cooled extended ratings of any transformers in their size class
- **High IP grade:** Strong and weak AC and DC are separated, and the system is stable, reliable and small in size.
- **Perfect safety protection function:** It has protection functions such as short circuit, overload, overvoltage, undervoltage, leakage and lightning protection.
- **High efficiency:** With low no-load loss and load loss, there are energy savings as well as total ownership cost (TOC) savings

## Key electrical performancer

	Wave Cast
Standard	IEC60076-11:2018 and IEEE standard C57.12.91-2001
Rated Power	50kVA ~12500kVA
Rated Voltage	200V~800V, 3.3kV~38kV
Rated Frequency	50Hz or 60Hz
Rated Insulation Class	F (155°C/90~100K) or H (180°C/115~125K)
Conductors	Copper or Aluminum