Oil-Immersed Power Transformer

THREE-PHASE • CONSERVATOR TYPE • SUBSTATIONS / ENERGY / INDUSTRY

Engineered to your grid

Define the voltage ratio, cooling and tap regulation your project needs.

Project-specific configuration



Illustrative equipment photograph

RATED CAPACITY

3.15-50 MVA

3,150-50,000 kVA

HV SYSTEM CLASS

35-220 kV

35 / 110 / 220 kV examples

MAIN CONSTRUCTION

Conservator

Oil-paper insulation

CONFIGURATION OPTIONS

Voltage & connection
HV/LV ratio, vector group and grid requirements

Cooling & loading
ONAN / ONAF; OFAF by design

Voltage regulation
Off-circuit taps or OLTC, as specified

Insulation & oil system
GOES core, oil-paper insulation, conservator

Protection & monitoring
Gas relay, pressure / oil-level / temperature devices

Standards & documentation
IEC 60076; GTP / GA / tests by order

REFERENCE DESIGN EXAMPLES

Published design examples • NOT guaranteed HNAUTOTECH values

HV class	Example rating	No-load loss	Load loss	Impedance	Tap design
35 kV	3.15 MVA	3.23 kW	24.7 kW	7.5%	OLTC [A]
110 kV	10 MVA	11.7 kW	50 kW	10.5%	OLTC [B]
220 kV	50 MVA	21 kW	161 kW	12-14%	Off-circuit [C]

Published benchmarks are from different reference designs and are NOT directly comparable. Final losses, impedance, insulation levels and all rated-voltage/capacity pairs require manufacturer design approval.

FAST TRACK YOUR PROJECT QUOTATION

Send just three essentials:

01 Rated capacity (MVA / kVA)

02 HV / LV voltage ratio (kV)

03 Destination + SLD / project spec

REQUEST PROJECT QUOTE → hnautotech.com

[A] HOLEEP SZ11 35 kV | [B] CEEG SZ11 110 kV | [C] CEEG S22 220 kV

Technical benchmarks only. Final guaranteed particulars, test scope, and availability are confirmed per order.