

TLP Series

Natural and synthetic ester transformers (IEEE standard)



Engineered for maximum grid safety, PhaseGreen TLP Series natural and synthetic ester transformers feature a fire point exceeding 360°C—more than twice that of conventional mineral oil. This exceptional thermal stability ensures superior fire protection across a wide range of critical energy infrastructure, including power plants, transmission substations, wind farms, photovoltaic stations and energy storage systems.

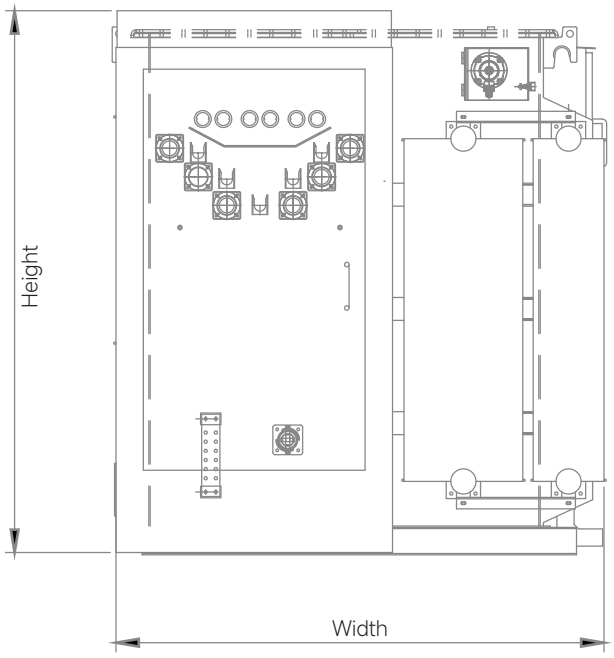
› PRODUCT SPECIFICATIONS

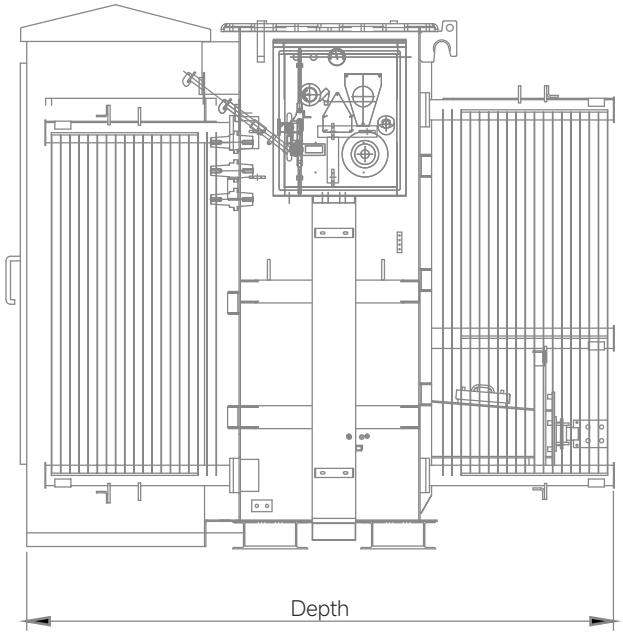
Rated Output (kVA)	15 kVA - 7400 kVA
Vector Group	Dyn1, Dyn11, or Dy1 (Standard); Custom groups available
Primary Voltage (kV)	11kV - 36kV
Secondary Voltage (V)	120V - 500V
Frequency	60 Hz
Temp Rise	65°C
Fluid Type	FR3
Certifications	UL (IEEE C57.12.00 • IEEE C57.12.28); CSA.

• PhaseGreen handles every stage of production in-house: tank and enclosure fabrication, core and coil winding, and complete component manufacturing—including arrester switches, tap changers, live-front and dead-front bushings, and current-limiting fuses.

TLP Series Natural and Synthetic Ester Transformer

Technical Parameters





kVA	Width (in)	Depth (in)	Height (in)	Weight (lbs)
4400	85	112	99	19,470
4800	89	134	105	23,148
5120	87	130	98	23,589
6750	89	158	105	27,557

Low loss

UL Listed

High Temperature Adaptability

New Energy applications

* For custom specifications and detailed engineering data, please contact sales@phasegreen.com