

PHASEGREEN TRANSFORMER SOLUTIONS

PhaseGreen has established itself as a leading manufacturer of custom transformers. With an large and experienced engineering team, PhaseGreen has the ability to design to the varying criteria of differing industries while maintaining short lead times.



Adopt highest quality materials and built to heavy-duty industrial standards, making them ideal for Data center, commercial and industrial applications



All new transformers are UL listed. Each unit is manufactured and tested to meet or exceed all applicable IEEE/ANSI standards.



Our skilled team is outfitted with the latest, most advanced test and fabrication equipment to inspect, test, and repair your transformer to ensure that it is in top working condition.

TLP-M Series

Pad-mounted compartmental type transformer

Natural and synthetic ester liquid-immersed transformer (IEEE standard)



Pad-Mounted Transformers are integrated power distribution units that combine the transformer core and coil assembly, load-break switch, fuses, and other protective components within a compact, enclosed tank design.

With a simple structure, small footprint, high reliability, and convenient installation, these transformers are widely used in power distribution systems for data center, commercial buildings, EV charging infrastructure, industrial facilities, renewable energy systems, and public utilities, and other medium-voltage applications.

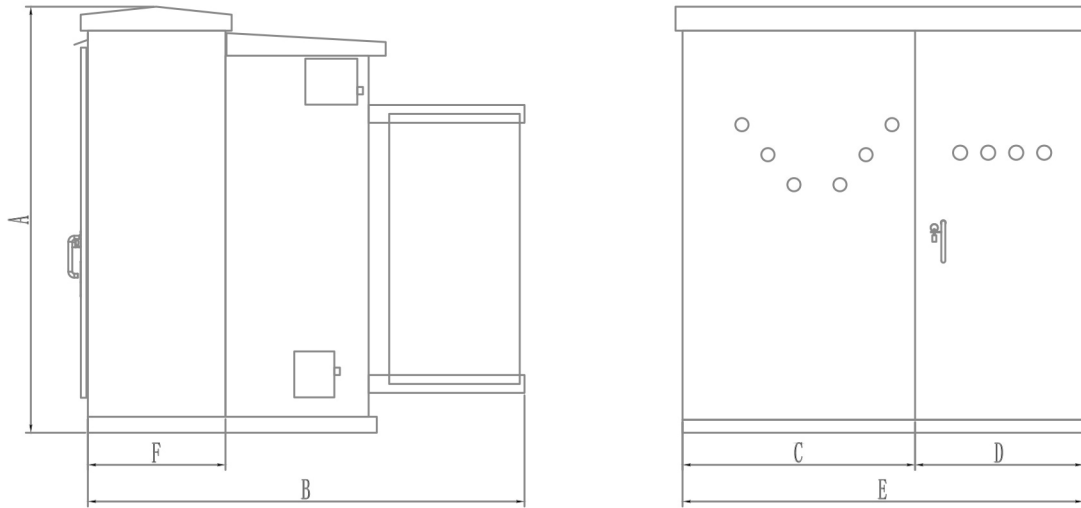
► PRODUCT INTRODUCTION

Rated Output kVA	6750/5000/3750/3150/3000/2750/2500/2000/1750/15000.
Vector Group	Dyn1/Dyn11/Dy1
Primary Voltage (kV)	34.5/33/24.9/15/14.4/13.8/13.2/12.47.
Secondary Voltage (kV)	0.69/0.6/0.48/0.416/0.24/0.208.
Frequency	60 Hz
Temp Rise	65°C rise
Fluid Type	FR3
Certifications	UL (IEEE C57.12.00 • IEEE C57.12.28); CSA (optional)DOE 2016 Energy Efficient (75–2500 kVA)

From fabrication of the tanks and cabinets to winding of the cores and coils, to production of arrester switches, tap changers, expulsion fuses, current-limiting fuses, bushings (live and dead) and molded rubber components, PhaseGreen does it all.

TLP-M Series Pad-mounted transformer

Outline & Approximate Dimensions



kVA	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	Weight (Lbs)
1500	90	79	48	32	79	24	10,582
2000	91	89	47	32	79	24	12,828
2500	91	91	47	32	79	24	13,228
3000	94	94	47	32	79	24	15,432
3750	98	122	47	32	79	24	17,637
5000	100	134	47	32	79	24	23,148



Low loss



UL Listed



High Temperature
Adaptability



Data Center and
Commercial Application

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

TDC Series

Cast-epoxy dry-type transformers
(IEEE standard)



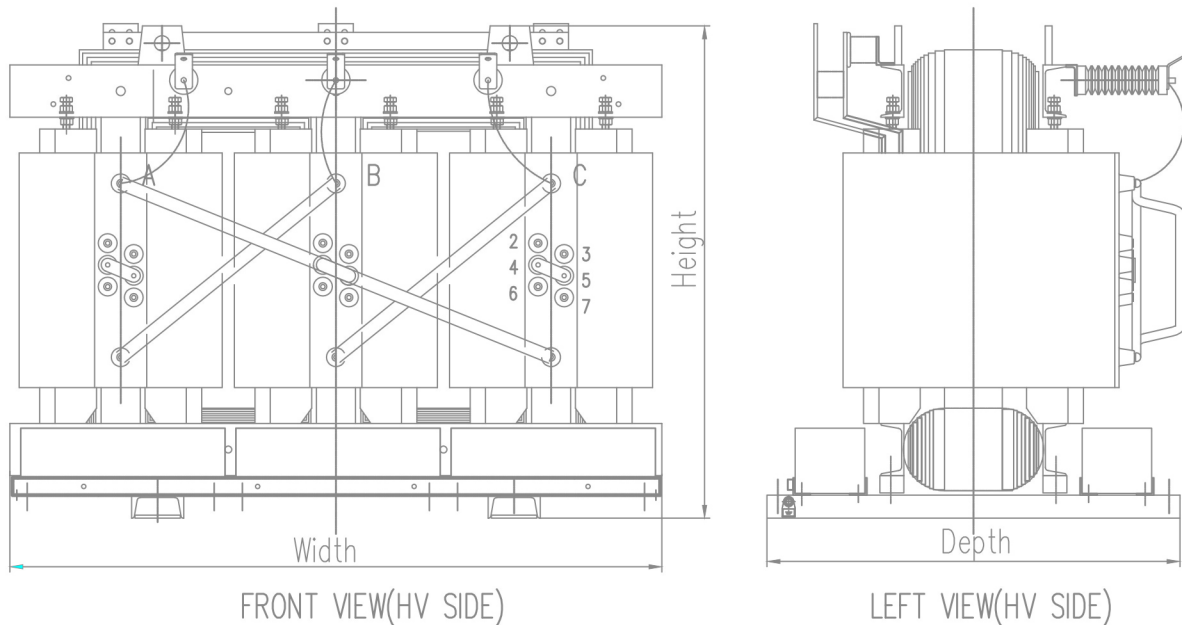
PhaseGreen TDC series cast-epoxy dry-type transformers are engineered and assembled in Livermore, California, for commercial and industrial power distribution because of its fireproof, flame retardant, explosion-proof safety performance, as well as strong overload capacity and other significant advantages, which is mainly used in Data center, office buildings, airports, district power distribution rooms, shopping centers, hotels, and other commercial places.

➤ **PRODUCT INTRODUCTION**

Rated Output kVA	6750/5000/3750/3150/3000/2750/2500/2000/1750/1500.
Vector Group	Dyn1/Dyn11/Dy1
Primary Voltage (kV)	34.5/33/24.9/15/14.4/13.8/13.2/12.47.
Secondary Voltage (kV)	0.69/0.6/0.48/0.416/0.24/0.208.
Frequency	60 Hz
Temp Rise	115°C
Certifications	UL Listed (standard); CSA (optional) DOE 2016 Energy Efficient (75–2500 kVA)

TDC Series Dry type transformer

Outline & Approximate Dimensions



kVA	Width(in)	Depth(in)	Height(in)	Weight (Lbs)
1500	68	46	55	8,820
2000	72	46	60	10,580
2500	74	46	62	12,560
3000	84	62	83	17,630
3750	88	62	84	20,280
5000	102	62	91	26,450



Low loss



UL Listed



High Temperature
Adaptability



Data Center Industrial
Park Application

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

TLP Series

Natural and synthetic ester transformers
(IEEE standard)



PhaseGreen TLP Series natural and synthetic ester transformer has a high fire point great than 360°C, which is more than twice that of mineral oil; It can improve the fireproof performance of the transformers and ensure the safety of the power grid; They are widely used in power plants, transmission substations, new energy substations, wind farms, photovoltaic stations and energy storage systems.

> PRODUCT INTRODUCTION

Rated Output kVA	75 kVA to 7400 kVA
Vector Group	Dyn1, Dyn11, or Dy1 (Standard); Custom groups available
Primary Voltage (kV)	12.47kV - 34.5kV.
Secondary Voltage (V)	208-690V.
Frequency	60 Hz
Temp Rise	65°C rise
Fluid Type	FR3
Certifications	UL (IEEE C57.12.00 • IEEE C57.12.28); CSA (optional)

From fabrication of the tanks and cabinets to winding of the cores and coils, to production of arrester switches, tap changers, expulsion fuses, current-limiting fuses, bushings (live and dead) and molded rubber components, PhaseGreen does it all.

TLP Series Natural and synthetic ester

Technical parameters

NO	Technical Parameter	Specifications
1	Type	2 winding,Oil immersed, Inverter duty Transformer
2	Rated Output kVA	75-7400 kVA.
3	Vector Group	Dyn1/Dyn11/Dy1
4	Type of Cooling	KNAN
	1. Oil Type	FR3
	Rated Voltage kV	
5	1. HV	12.47-34.5kV.
	2. LV	208-690V.
	3.Voltage Variation	± 10%
6	Nos. of Phases	3
7	Rated Frequency Hz	60
	1. Frequency Variation	± 1
8	1. Max. temp. rise	65°C
	Conductor material	
9	1. HV	Aluminum /Copper
	2. LV	Aluminum /Copper
	Tap Changer	Off-Circuit Tap Changer
10	1. Type	Off Circuit
	2. Tap Range - % Variation	±2×2.5%
	Insulation Level	
11	1. L.V.	LI 35kV/AC 10kV
	2. H.V.	LI 150kV/AC 50kV

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
application

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About PhaseGreen

PhaseGreen founder gathered a team of like-minded experts with decades of experience who share the same Vision and took a deep dive into finding the right solutions and electrical power products to data center, commercial power distribution, EV charging infrastructure, and green energy.

PhaseGreen was founded in Silicon Valley. Our headquarters and R&D center are based in Silicon Valley. Our factory is based in Livermore, CA USA. We deliver commercial and industrial power infrastructure and green energy solutions, with U.S. nationwide field service coverage and international support via authorized partners.

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