Primary Voltage Ratings: 13.8kv, 24.9kV, 34.5kV, additional optional YY/2 available, 13.8/6.9kV, 24.9/12.45kV, 34.5/17.25kV

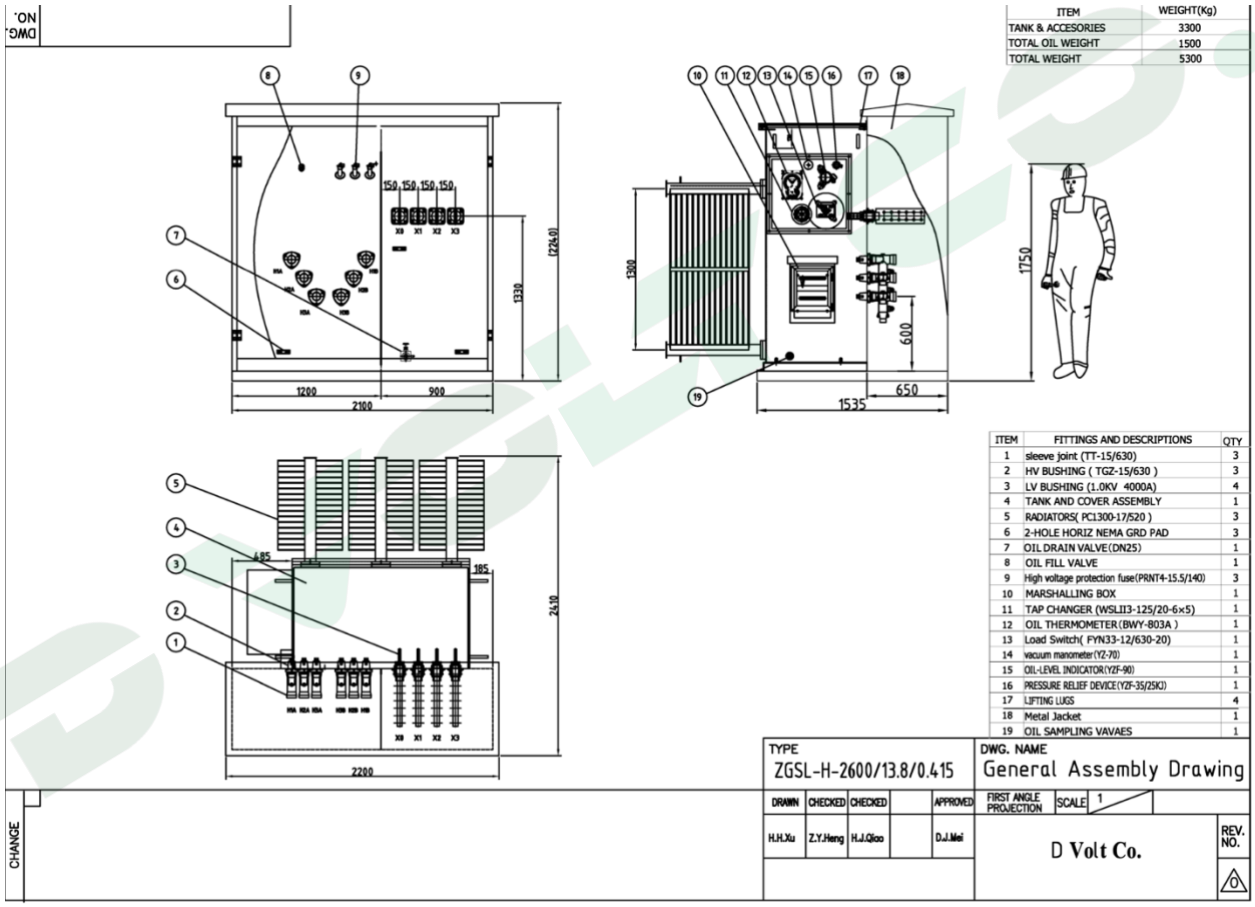
Secondary Voltage Ratings: 0V~1.2kV

High Voltage TAP RANGE: ±2×2.5% or others

The rated power of D Volt's three-phase pad mount transformer is 45-5000kVA, and the voltage level is 10kV, 15kV, 25kV, 35kV. More than 100 units are in use at variety site across North America. All products are customizable upon inquiry. All products have been UL listed.

Description:

The D Volt's transformer is an oil-filled, three-phase, commercial pad mounted distribution transformer specifically designed for servicing such underground distribution loads as shopping centers, schools, institutions and industrial plants. It is available in both live front and dead front construction, for radial or loop feed applications, with or without taps.



Standard Features:

l. Four lifting lugs.
2. Bolted-on terminal compartment (18" or 2 4" deep depending on kVA) with removable front sill.
3. Hinged, lift-off cabinet doors.
4. Interlocked penta-head bolt/padlock handle operates a cam assembly which is part of the 3-point door latching mechanism. (A hex-head bolt is available.)
5.Forlivefront construction, externally clamped high voltage porcelain bushings with a single eye bolt, clamp type connector (accommodates #6 AWG solid to 250 MCMstranded conductors).
6.For dead front construction, externally clamped high voltage bushing wells for load break or non-load break inserts.
7.Lightning arrester mounting pads (live front only).
8.Tankgroundpads (1 in H V, 1 in LV).
9.Steelhigh/low voltage compartment barrier.
10. One l/2"penta-head bolt must be removed from the flange formed on the steel high /low barrier before the HV door can be opened (1/2"hex-head bolt available as an option).
11.Externallyclampedlow voltage bushings with threaded copper stud for full load current below 2100amps.Externallyclamped integral low voltage bushings for current above 2100 amps. NEMA spades provided per ANSI hole requirements.
12. Nameplate.
13. Fill plug and self-actuating pressure relief device.
14. Drain plug.
15.Removable neutral ground strap.
16. Five-legged core/coil assembly.
17.Handhole cover bolted onto tank top (protected by weather cover).
18.Panel-typecoolers.
19.NEMAsafetylabels.
20. The paint finish process applies a durable, corrosion resistant finish to the product. The finish meets or exceeds all the performance requirements of ANSI C57.12.28. The multi-step process includes an epoxy primer uniformly applied by cationic electrodeposition and a urethane top coat.[i]

Optional Features:

Primary Termination

• Externally-clamped bushing wells with load break or non-load break inserts.
• Integral load break bushings.

Secondary Termination

• Externally-clamped bushings with NEMA 6-hole, 8-hole, 10-hole, or 12-hole spades.
• Spade supports are available. They are provided for 8-hole spades and larger when the current is 1400 amps or greater.

Primary Switching

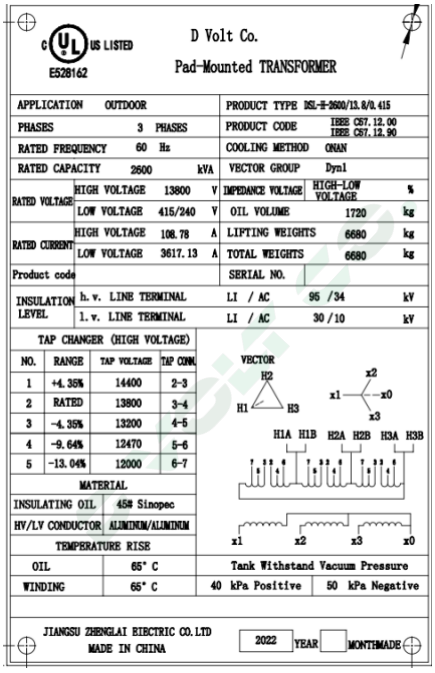
• LBOR oil switch: one for radial, two for loop feed.
• Externally-operated tap changer.
• Externally-operated dual voltage switch.
• Externally-operated delta-wye switch.

Overcurrent Protection

• Internal primary protective links.
• Bayonet-type expulsion fuses.
• Draw out, load break current limiting fuses, with or without interlocking transformer switch.
• Secondary oil circuit breaker.
• Internal, partial-range current limiting fuses.

Overvoltage Protection

• Distribution class, metal oxide arresters, 3-36 kV.
• Distribution class, valve-type lightning arresters, 3-27 kV.



D Volt Co.

Pad-Mounted TRANSFORMER

E528162

APPLICATION	OUTDOOR		PRODUCT TYPE	DSL-H-2600/13.8/0.415	
PHASES	3 PHASES		PRODUCT CODE	IEEE C57.12.00 IEEE C57.12.90	
RATED FREQUENCY	60 Hz		COOLING METHOD	ONAN	
RATED CAPACITY	2600	kVA	VECTOR GROUP	Dyn1	
RATED VOLTAGE	HIGH VOLTAGE 13800	V	IMPEDANCE VOLTAGE	HIGH-LOW VOLTAGE	%
	LOW VOLTAGE 415/240	V	OIL VOLUME	1720	kg
RATED CURRENT	HIGH VOLTAGE 108.78	A	LIFTING WEIGHTS	6680	kg
	LOW VOLTAGE 3617.13	A	TOTAL WEIGHTS	6680	kg
Product code			SERIAL NO.		
INSULATION LEVEL	h.v. LINE TERMINAL		LI / AC	95 /34	kV
	l.v. LINE TERMINAL		LI / AC	30 /10	kV

TAP CHANGER (HIGH VOLTAGE)

NO.	RANGE	TAP VOLTAGE	TAP CONN.
1	+4.35%	14400	2-3
2	RATED	13800	3-4
3	-4.35%	13200	4-5
4	-9.64%	12470	5-6
5	-13.04%	12000	6-7

VECTOR

H2 H1 H3 x2 x1 x0 x3

H1A H1B H2A H2B H3A H3B

x1 x2 x3 x0

MATERIAL	
INSULATING OIL	45# Sinopec
HV/LV CONDUCTOR	ALUMINUM/ALUMINUM
TEMPERATURE RISE	
OIL	65° C
WINDING	65° C

Tank Withstand Vacuum Pressure: 40 kPa Positive / 50 kPa Negative

JIANGSU ZHENGLAI ELECTRIC CO.LTD
MADE IN CHINA

2022 YEAR MONTHMADE

Construction Options

• 18", 24" and 30" deep terminal cabinet.
• Drain valve and sampling device.
• MoW1ting plate for CT's or PT's.
• Interphase barriers.
• Molded case external secondary breaker.
• Substation Accessories - Oil gauge, thermometer, drain valve and sampler, pressure-vacuum gauge provision.
•Weather cover.
• Transformers may feature an optional weather cover over the cabinet which is hinged to allow clearance for replacement of the bayonet-type fuses.
• The weather cover can be lifted easily into place and secured with a single supporting arm.
• The weather cover requires no additional hold down hardware.