

D VOLT CO.

WHERE SPEED MEETS EXCELLENCE







D VOLT CO.

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Second Edition, Second Printing — May 2026



ABOUT US

Founded with heart in 2022 and headquartered in Houston, Texas, D Volt Co. is a U.S.-based electrical supply company providing fully integrated, end-to-end services, ranging from engineering design and precision manufacturing to direct sales and customer support. We are proud to say that we are capable of assembling in the U.S. for distribution-sized transformers.

Beyond delivering products, D Volt Co. offers industry-leading testing, maintenance, and repair services, backed by deep technical expertise and an uncompromising commitment to quality.

With a vertically integrated model, we maintain full control over speed, quality, cost efficiency, and customization, allowing us to meet the diverse needs of utilities, data centers, renewable energy projects, and industrial clients.

All of our products are manufactured in compliance with **UL, DOE**, and **CSA** standards, reflecting our commitment to reliability and safety. At D Volt Co., we don't just deliver products; we deliver trusted power solutions across North America.

Product Overview



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Three Phase Pad Mounted Transformer



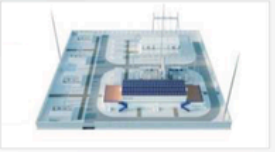
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dvoltsight.ai
Monitoring AI Platform

Three Phase Pad Mounted Transformer



Assembled in the U.S. Option Available

Standard:
Certified to UL, DOE, NEMA, CSA, ANSI, and IEEE standards.

Warranty:
3 years warranty for reliable operation.

Lead Time:
8-12 weeks, with expedited options available.

Quotation:
Receive a formal quote within 24 hours of an inquiry.

Testsing:

- Mositure Content Testing (IDAXX 322)
- SFRA- Core & Winding Integrity (Frax 101)
- Insulation Resistance Test (Megger S1-1568)
- Functional Test
- Insulation & Excitation Test (Delta 4110)
- Winding & Tap Changer Analysis (Tau3 Pro)
- Portable DGA Analysis (GE Transport X2)

75 kVA - 3750 kVA (Standard)							
Rated Capacity (kVA)	High Voltage (V)	Low Voltage (V)	Connection Symbol	Standard	Short-Circuit Impedance (%)	Efficiency (%)	Approx Total Weight (Lbs)
75	4160 7200 12000 12470 13200 13800 19920 24940 34500	110 220 230 400 480	Dyn1 Ynyno	IEEE/ ANSI/ DOE	4-7%	99.03	2350
112.5						99.11	2500
150						99.16	2700
225						99.23	3250
300						99.27	3800
500						99.35	4800
750						99.4	6500
1000						99.43	7800
1500						99.48	10300
2000						99.51	11600
2500						99.53	14000
3000						99.55	18700
3750						99.58	20500

**Note: Non-Standard Three Phase Pad-Mount XFMR upto 10MVA 66kV class

Product Profile:
At D Volt Co., three phase pad-mounted transformers are designed for reliable and efficient power distribution. Their tamper-proof, weather-resistant enclosures ensure safe ground-level installation in both urban and industrial settings. Using premium core steel, advanced insulation, and precision windings, these transformers offer high efficiency, low losses, and long service life.

Product Features:

- Bolted terminal compartment with removable sill for easy installation and maintenance
- Hinged lift-off cabinet doors for convenient access
- Interlocked penta-head bolt with padlock handle for enhanced security
- Externally clamped HV bushing wells for dead-front construction
- Assembled in the U.S. option available
- Corrosion-resistant paint finish for long-lasting durability

Power Transformer



Standard:
Certified to UL, DOE, NEMA, CSA, ANSI, and IEEE standards.

Warranty:
3 years warranty for reliable operation.

Lead Time:
Starting at 6 months, with expedited options available.

Quotation:
Receive a formal quote within 7 business days.

Testing:

- Mositure Content Testing (IDAXX 322)
- SFRA- Core & Winding Integrity (Frax 101)
- Insulation Resistance Test (Megger S1-1568)
- Functional Test
- Insulation & Excitation Test (Delta 4110)
- Winding & Tap Changer Analysis (Tau3 Pro)
- Portable DGA Analysis (GE Transport X2)

800 kVA - 10000 kVA Standard Distribution Transformer

(KVA) Rated Power	(KV) High Voltage	(V) Low Voltage	Connection Symbol	(%) Short Circuit Impedance	(W) Loss		Reference Dimension (W*H*D) mm	Reference Weight kg
					(W) No-load Loss	(W) On-load Loss		
800	4.16 12.00 12.47 13.2 13.8 14.4 23.0 24.94 34.5 34.8 44 or others	208/120 415/240 480/277 400 600 12000 12470 13200 13800 or others	Dyn1 Ynyn0 Dyn11 Dd0 Ynd11 or others	2.7 3.1 4.35 5.75 6.0	980	9350	1060*1500*1780	2050
1000					1160	11500	1085*1570*1800	2450
1250					1380	13900	1160*1610*1890	2900
1600					1660	16600	1190*1630*1950	3400
2000					2030	18300	1260*1700*2090	4100
2500					2450	19600	1150*2150*2250	4750
3000					3240	26500	1900*2600*2150	6500
5000					4500	27000	2500*2210*3180	9500
7500					7200	32000	3660*3100*5100	13600
10000					8500	35500	3830*2640*2216	15800

**Note: Large Station Class Transformer as Below

POWER TRANSFORMER (60HZ)

Voltage	Capacity
400kV & Above	As requirement
330kV	As requirement
220kV	Up to 300MVA
66-138kV	30 to 270MVA
11-69kV	5 to 120MVA

Product Features:

- Reliable performance for medium to high voltage applications
- High efficiency enabled by low-loss core steel and precision windings
- Long service life with proven insulation systems
- ONAN, ONAF, OFAF, or OFWF cooling options
- Flexible designs with winding, tap changer, and enclosure choices
- Enhanced safety with protective devices and monitoring systems
- UL certification:
  120MVA 34.5kV/13.8kV & Below, 188MVA 138kV/34.5kV & Below, 10MVA 13.8kV/600V & Below

Single Phase Pad Mounted Transformer



10 kVA - 500 kVA Single Phase Pad Mounted Transformer

Rated Capacity (kVA)	High Voltage (V)	Low Voltage (V)	Connection Symbol	Standard	Short-Circuit Impedance (%)	Efficiency (%)
10	4160 7200 12000 12470 13200 13800 19920 24940 34500	120-240 240-480 347-600	li0, li6	IEEE/ ANSI/ DOE	1.8-4%	98.7
15						98.82
25						98.95
37.5						99.05
50						99.11
75						99.19
100						99.25
167						99.33
250						99.39
333						99.43
500						99.49

Standard:
Certified to UL, DOE, NEMA, CSA, ANSI, and IEEE standards.

Warranty:
3 years warranty for reliable operation.

Lead Time:
4-8 weeks, with expedited options available.

Quotation:
Receive a formal quote within 24 hours of an inquiry.

Testing:
- Moisture & Insulation Testing (IDAXX 322, Delta 4110)
- Winding & Tap Changer Analysis (Tau3 Pro)
- Core & Winding Integrity (Frax 101)
- Together, these tests reduce fault risk by up to 95%, provide confidence in insulation health, and guarantee that every transformer leaving our factory meets the highest performance standards.

Product Profile:
At D Volt Co., single phase pad-mounted transformers are compact, durable, and designed for safe ground-level installation in tamper-resistant enclosures. With optimized core design, advanced insulation, and corrosion-resistant finishes, they deliver high efficiency, low noise levels, and long-term reliability.

Product Features:
- Equipped with load-break switches for convenience
- Load-break switches feature provisions for padlocking
- Offers either stud-type or spade-type low voltage bushings
- Load-break inserts come with dust caps
- Features two foundation clamps for secure installation

Single Phase Pole Mounted Transformer



Standard:
Certified to UL, DOE, NEMA, CSA, ANSI, and IEEE standards.

Warranty:
3 years warranty for reliable operation.

Lead Time:
4-8 weeks, with expedited options available.

Quotation:
Receive a formal quote within 24 hours of an inquiry.

10 kVA - 500 kVA Single Phase Pole Mounted Transformer						
Rated Capacity (kVA)	High Voltage (V)	Low Voltage (V)	Connection Symbol	Standard	Short-Circuit Impedance (%)	Efficiency (%)
10	4160 7200 12000 12470 13200 13800 19920 24940 34500	120-240 240-480 347-600	li0, li6	IEEE/ ANSI/ DOE	1.8-4%	98.7
15						98.82
25						98.95
37.5						99.05
50						99.11
75						99.19
100						99.25
167						99.33
250						99.39
333						99.43
500						99.49

Product Profile:
At D Volt Co., single phase pole-mounted transformers are designed for reliable overhead distribution of electrical power in residential, rural, and light commercial networks. Their lightweight construction and compact design allow for easy installation on utility poles, providing cost-effective and efficient service in distributed systems. Manufactured with high-quality core steel, durable tank construction, and advanced insulation, these transformers deliver consistent performance, reduced losses, and extended service life.

Product Features:

- Include polymer low-voltage bushings as standard for units from 10 to 500 kVA.
- Enhance reliability and minimize failure rates with robust cores and coils.
- Offer material options such as grain-oriented electrical steel or amorphous steel for optimized performance.

Modular Substations

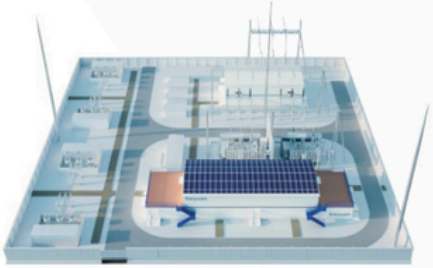
D Volt Co. delivers modular substations in the form of fully integrated prefabricated E-houses, consolidating power infrastructure into a single deployable system. Designed to support high-load environments such as data centers and industrial facilities, these systems enable faster energization, reduced construction risk, and scalable expansion.

Built for Reliability in Real-World Conditions

Structural Strength
Meets building standards, 50-year service life

Dust & Water Protection
5-layer protection, IP67

Thermal Insulation
6-sided insulation, all-round protection



Anti-Corrosion
5-layer anti-corrosion, 50-year service life

HVAC
Practical configuration, safe operation every day

Standardization
Unified standards, high compatibility, easy O&M and quality management

Wiring
Implements standard processes, margin-based design

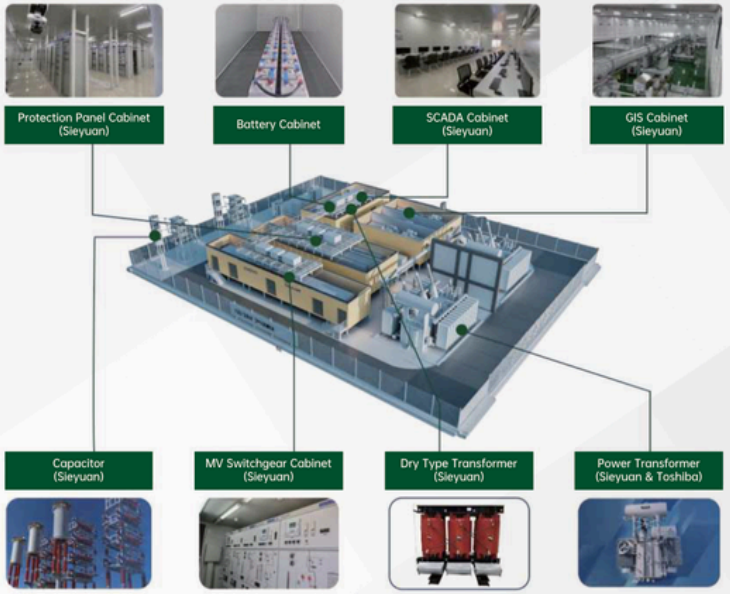
Maintenance Access
Customized configuration, suitable for O&M

What It Enables

- Reliable power delivery for high-density AI and data center loads
- Integrated protection, control, and automation systems
- Faster path from grid connection to energized operations

Fully Integrated Power System Architecture

- Medium & low voltage switchgear (GIS / MV / LV) for reliable power distribution
- SCADA and automation systems for real-time monitoring and control
- Battery and auxiliary systems for backup power and system resilience
- Fully integrated auxiliary and monitoring systems (CCTV, alarms, remote diagnostics)



Key Benefits

Faster Deployment:
- Factory assembly < 6 months
- On-site installation < 6 weeks
- Total project duration < 10 months

Reduced On-Site Work:
- Pre-integrated modules minimize civil work and coordination

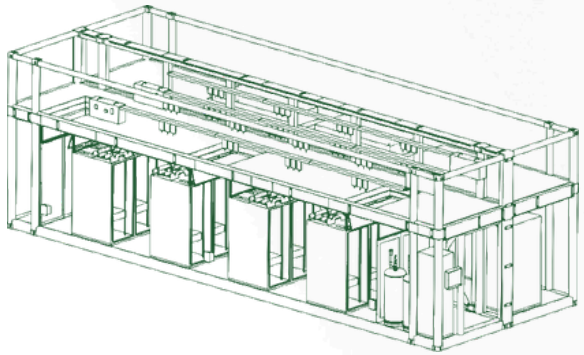
High Reliability:
- Fully tested in the factory before delivery

Long-Term Durability:
- 50-year structural design life
- 5-layer anti-corrosion protection
- NEMA 6P dust and water protection

Operational Efficiency:
- Standardized design improves maintenance and quality control

Modular Data Centers (MDC)

The rapid growth of AI is driving unprecedented demand for power and compute infrastructure.
• $7T+ data center investment expected by 2030
• 125 GW of new AI capacity to be built
• Up to 3–5× faster deployment required to meet demand
D Volt Co.'s modular data centers are purpose-built for high-density AI and GPU workloads, enabling rapid deployment of scalable compute infrastructure.



Design Philosophy

Compute-Centric Infrastructure
Designed around the demands of high-density AI and GPU workloads, not traditional power assumptions

Mission-Critical Reliability
Engineered to Tier III and enterprise SLA standards, with N+1 redundancy to ensure continuous operation in high-availability environments.

Standardized for Speed
Factory-built, repeatable systems that enable rapid deployment and scalable expansion across multiple sites.

Traditional	MDC
Onsite Construction with Hundreds of workers	Factory-Integrated, Tested, Ready-to-Operate
12-36 Months from Request to Construction Start	Weeks from Contract to GPU-Live
Bespoke Engineering per Project, Design Repeated from Scratch	Standardized, Repeatable, Designed for the Latest GPU Architectures
MV Switchgear Lead Time: 54 Weeks Median	Pre-Sourced, Factory-Installed, Zero Site-Side Lead Time

Core Capabilities

Capability	What It Means for You
150 kW per rack	Supports high-density AI and GPU workloads
~2.5 MW modular pods	Scalable building blocks for rapid expansion
Hybrid cooling	Efficient thermal management for continuous operation
N+1 or 2N redundancy	No downtime, even during equipment failure
90%+ factory integration	Faster deployment, lower on-site risk

GPU-Ready AI Compute Facilities

Tessor 60 [Air+Liquid]	Tessor 150 [Liquid]
Supports all Blackwell HGX platforms, with flexible cooling options.	Every high-density Blackwell. Liquid-cooled, with roadmap support for Rubin
-60 kW per rack -10 racks/unit -540 kW IT Load	-150 kW per rack -20 racks/unit -2.5 MW IT Load
Cooling Liquid-cooled (DTC) or Air-cooled GPU Support Blackwell HGX-class (B200, B300) Air or liquid Continuous Cooling UPS + thermal storage tank Architecture Tier III reliability	Cooling Liquid-cooled (DTC 85% + Air 15%) GPU Support Blackwell high-density liquid GB200 NVL72 · GB300 NVL72 · 8× B300 liquid (132–150 kW/rack) Continuous Cooling UPS + thermal storage tank Architecture Tier III reliability
HOPPER READY ⟶ H100 · H200 (HGX-class, air or liquid)	ROADMAP ⟶ Vera Rubin · 800VDC · Higher density
Flexible density. Two cooling paths. Ready for today's AI workload.	Rack-scale frontier: Built once, built for what's next.

What You Have ⟶ What We Deliver

•GPUs, customers, capital ⟶ Factory-tested facilities, site-ready in weeks
•10–50 MW capacity ⟶ Turnkey AI data center, ready to deploy
•Site access ⟶ Financeable, contract-ready infrastructure
•Build capability ⟶ A standardized product you can scale

38kV Gas-Insulated Switchgear (GIS)



Key Specifications	Rating
Rated Voltage	38 kV
Rated Frequency	60 Hz
Rated Current	1,250 A / 3,150 A
Short-Circuit Breaking Current	40kA
Short-Time Withstand Current	40 kA for 3 seconds
Internal Arc Classification	AFLR 40 kA / 0.5 s, Type 2B

Lead Time:
120-Day Delivery

Warranty:
3-Year Warranty

Standard:
IEEE C37.04 / IEEE C37.06 / IEEE C37.20.7 / IEEE C37.20.9 / IEEE C37.122.2
UL Listed / CSA / ETL

Product Profile:

D Volt Co.'s 38kV gas-insulated switchgear delivers high-current performance and dependable protection in a compact, fully enclosed design. Engineered for critical medium-voltage applications, its modular configuration simplifies lineup installation, maintenance, and individual unit replacement.

Product Features:

- High-Current Performance - Supports demanding applications with rated current up to 3,150 A and 40 kA fault interruption.
- Sealed Gas Tank - The NEMA Type 6 gas tank uses a sealed stainless steel construction for dependable long-term operation.
- Type 2B Arc-Resistant Design - Independent pressure-relief channels support enhanced protection for operators and equipment.
- Modular Configuration - Individual units can be combined, removed, or replaced to simplify installation and maintenance.
- Proven Switching Endurance - The circuit breaker provides M2 mechanical endurance with 10,000 operations and E2 electrical endurance.
- Low Partial Discharge - Partial discharge is limited to ≤10 pC at a test voltage of 1.1 × Ur / √3.

Applications:

- Data centers and mission-critical facilities
- Utilities and power distribution networks
- Industrial facilities
- Renewable energy projects
- Modular substations and E-Houses

38kV Gas-Insulated Ring Main Unit (RMU)



Key Specifications	Rating
Rated Voltage	38 kV
Rated Frequency	60 Hz
Rated Current	630 A
Short-Cirucit Breaking Current	25 kA
Short-Time Withstand Current	25 kA for 2 seconds

Lead Time:
90-Day Delivery

Warranty:
3-Year Warranty

Standard:
IEEE C37.04 / IEEE C37.06 / IEEE C37.20.7 / IEEE C37.20.9 / IEEE C37.122.2
UL Listed / CSA / ETL

Product Profile:

D Volt Co.'s 38kV gas-insulated ring main unit provides compact and flexible switching for medium-voltage distribution networks. Its modular common gas tank design supports multiple feeder arrangements while reducing the space required for installation.

Product Features:

Compact Unit Design - A space-saving footprint supports installations where available space is limited.

Flexible Lineup Configuration - Multiple units can share a common gas tank and be configured for different feeder requirements.

Fault Interruption - Provides 25 kA short-circuit breaking capacity and 65 kA peak withstand current.

Internal Arc Protection - AFLR 25 kA / 0.5 s classification supports enhanced operator protection.

Proven Switching Endurance - The circuit breaker provides M2 mechanical endurance with 10,000 operations and E2 electrical endurance.

Indoor and Outdoor Options - Available in NEMA Type 1 indoor and NEMA Type 3R outdoor configurations.

Applications:

- Utility distribution networks
- Data centers
- Renewable energy projects
- Industrial facilities
- Commercial power distribution
- Modular substations and E-Houses

Panelboard





PANELBOARD

Is an essential component in power distribution, designed to safely distribute power from the main power source to individual branch circuits. It is the central point for managing and controlling electrical flow in residential, commercial and industrial applications.

Panelboard has main busbar up to 1200AF manufactured in bolt-on type, branch circuit breakers can be moved freely and there is no limit in capacity selection.

Standard:

Certified to UL, NEMA, CSA, ANSI, and IEEE standards.

Applications:

- Industrial complexes
- Commercial and buildings

Excellent scalability

- Easy to add the branch circuit breakers
- Easy to replace and repair the branch circuit breakers

Product Profile:

At D Volt Co., panelboards are engineered for safe, reliable, and efficient power distribution in commercial, industrial, and utility applications. With durable enclosures, precision-engineered busbars, and advanced protective devices, our panelboards ensure stable operation and easy integration into electrical systems. Each unit is tested to international standards, delivering dependable performance and long service life.

Switchprime:

Panelboards distribute power across multiple circuits while providing overcurrent and short-circuit protection. They integrate breakers, disconnects, and control devices to ensure safe, reliable, and efficient operation across power networks.

Product Features:

Comprehensive Protection – Provides circuit protection against overloads, short circuits, and faults.

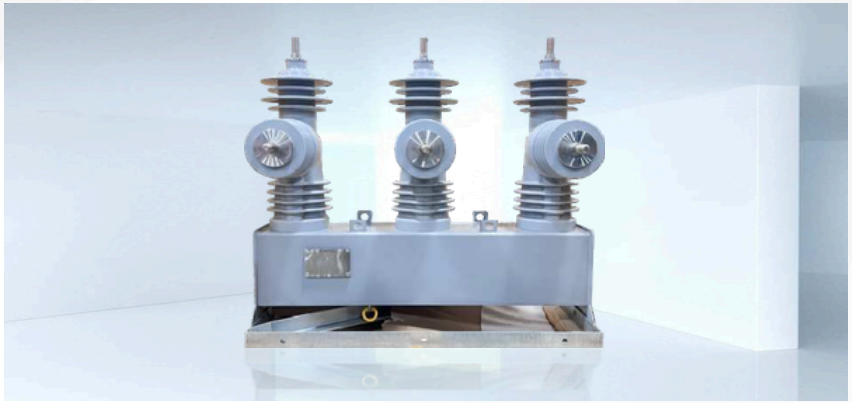
Flexible Configurations – Available in main-lug, main-breaker, and modular designs for diverse applications.

Safety & Reliability – UL-listed components and insulated busbars enhance overall operator safety.

Ease of Maintenance – Front-accessible breakers and removable covers allow quick inspection and service.

Compact Design – Space-saving enclosures with customizable layouts for residential, commercial, and industrial installations.

Auto Recloser



15.5kV 50/60Hz														
	Ir	Tk	Isc	Ima	Up	Ud								
	A	S	KA	KA	KV	KV	μΩ	mm	mm	mm	kg	A	A	ms
15-630-12-N	630	3	12.5	31.5	110	50	60	850	320	270	130	2	10	40/60
15-800-12-N	800	3	12.5	31.5	110	50	60	850	320	270	130	2	10	40/60
15-630-16-N	630	3	16	40	110	50	60	850	320	270	130	2	10	40/60
15-800-16-N	800	3	16	40	110	50	60	850	320	270	130	2	10	40/60

27kV 50/60Hz														
	Ir	Tk	Isc	Ima	Up	Ud								
	A	S	KA	KA	KV	KV	μΩ	mm	mm	mm	kg	A	A	ms
27-630-12-N	630	3	12.5	31.5	125	60	60	850	320	270	140	5	25	40/60
27-800-12-N	800	3	12.5	31.5	125	60	60	850	320	270	140	5	25	40/60
27-630-16-N	630	3	16	40	125	60	60	850	320	270	140	5	25	40/60
27-800-16-N	800	3	16	40	125	60	60	850	320	270	140	5	25	40/60
27-630-16-H	630	3	16	40	125	70	60	1290	320	350	150	5	25	40/60
27-800-16-H	800	3	16	40	125	70	60	1290	320	350	150	5	25	40/60

38kV 50/60Hz														
	Ir	Tk	Isc	Ima	Up	Ud								
	A	S	KA	KA	KV	KV	μΩ	mm	mm	mm	kg	A	A	ms
38-630-12-N	630	3	12.5	31.5	170	70	60	1290	320	350	150	5	40	40/60
38-800-12-N	800	3	12.5	31.5	170	70	60	1290	320	350	150	5	40	40/60
38-630-16-N	630	3	16	40	170	70	60	1290	320	350	150	5	40	40/60
38-800-16-N	800	3	16	40	170	70	60	1290	320	350	150	5	40	40/60

Ir A	Rated continuous current
Tk S	Rated duration of short-circuit
Isc KA	Rated short-circuit breaking current
Ima KA	Rated short-circuit making current
Up KV	Rated lightning impulse withstand voltage
Ud KV	Rated short-duration P.F. withstand voltage
μΩ	Impedance μΩ between connections

mm	Creepage distance, phase-to-earth
mm	Clearance,phase-to-phace
mm	Minimum clearance, phase-to-earth
Kg	Weight
A	Line charging current
A	Cable charging current

		A	B	C	D	E	F
5.5kV	mm	460	380	850	508	270	970
5.5kV	mm	460	380	850	508	270	970
5.5kV	mm	512	380	970	590	270	970

Dry Type Transformer

(VPI & Cast Coil Type) UL listed





Switches

Switches:



245/252kV

Instrument:



TYD Capacitor voltage transformer

DEAD-TANK CIRCUIT BREAKER



Key Specifications	Rating
Rated Voltage	38-550 kV
Rated Frequency	60 Hz
Rated Continuous Current	Up to 5,000 A
Short-Circuit Breaking Current	Up to 63 kA
Breaking Time	50 ms / 3 Cycles
Operating Sequence	O-0.3s-CO-15s-CO

Lead Time:

14-26 Weeks After Drawing Approval*

Standard:

IEEE/ANSI/CSA

Product Features:

- Self-Blast Puffer Interrupter
- 10,000 Mechanical Operations
- 15-Year Condition-Based Maintenance Cycle
- Single-Pole and Three-Pole Operation
- Cold-Climate Configuration Available
- SF_6 Leakage Rate ≤ 0.5% Per Year

Product Profile:

D Volt Co. dead-tank circuit breakers are designed for dependable switching and fault interruption in high-voltage substations. The LW58A series covers voltage classes from 38 kV through 550 kV, with rated continuous current up to 5,000 A and short-circuit breaking current up to 63 kA.
A spring-operated mechanism, self-blast puffer interrupter, and flexible single-pole or three-pole operating configurations support reliable performance across utility and industrial power systems.

Applications:

- Utility Substations
- Power Generation Facilities
- Renewable Energy Interconnections
- Industrial Power Systems
- Transmission Networks
- Grid Expansion Projects

DEAD-TANK CIRCUIT BREAKER

Lead Time:
14-26 Weeks After Drawing Approval*

Standard:
IEEE/ANSI/CSA

No.	Voltage class	Rated voltage	Rated current	Rated short-time withstand current	Temperature	
					Without tank heater	With tank heater
1	38 kV	38kV	up to 4000A	up to 40kA	-30℃ to +55℃	-50℃ to +55℃
2	72.5 kV	72.5kV	up to 4000A	up to 40kA	-30℃ to +55℃	-50℃ to +55℃
3	145 kV	145kV	up to 3150/4000A	up to 63kA	-30℃ to +55℃	-50℃ to +55℃
4	245 kV	245kV	up to 4000A	up to 63kA	-30℃ to +55℃	-50℃ to +55℃
5	362 kV	362kV	up to 5000A	up to 63kA	-30℃ to +55℃	-50℃ to +55℃
6	550 kV	550kV	up to 5000A	up to 63kA	-30℃ to +55℃	-50℃ to +55℃

Features and Application

- Self-blast-puffer interrupter
- 15-year,condition-based maintenance cycle
- Type Tested by KEMA,CESI and so on
- Three-phase tripolar (252kV and below) and monopolar operation are available

72.5 kV



145 kV

245 kV



362 kV



550 kV



CAPACITIVE VOLTAGE TRANSFORMER

Lead Time:
150-Day Delivery

Standard:
IEEE/ANSI/CSA

Technical parameters

Voltage class	Highest voltage (kV)	Capacitance (pF)	Rated frequency (Hz)	Power-frequency (kV)	Lightning impulse (BIL, kVp)	Rated load (VA)
40.5 kV	40.5	10000-50000	60	95	200	IEEE: 0.15Y / 0.15MWXYZ / 0.3MWXYZ / 0.6MWXYZ 0.6ZZ / ZZ / 1.2ZZ
72.5 kV	72.5	10000-50000	60	160	350	
126 kV	126	6000-47500	60	230	550	
145 kV	145	5000-38100	60	275	650	
170 kV	170	4300-30500	60	325	750	
245 kV	252	3000-22800	60	460	1050	
300 kV	300	2500-15800	60	460	1050	
363 kV	363	2150-15200	60	510	1175	
420 kV	420	1650-12700	60	630	1425	
550 kV	550	1430-10100	60	740	1675	
800 kV	800	5000-10000	60	975	2100	
1100 kV	1100	5000-10000	60	1200	2400	

Technical parameters

Voltage class	Rated voltage factor	Total weight (kg)	Limit output (VA)	Dimensions A (mm)	Dimensions H (mm)
40.5 kV	1.2 / continuous 1.4 / 60 s • 1.9 / 30 s	300	1000	400	1346
72.5 kV		330	1000	400	1591
126 kV	1.2 / continuous • 1.4 / 60 s	389	1000	400	1966
145 kV		400	1000	400	2091
170 kV		430	1000	400	2301
245 kV		519	1000	400	2913
300 kV		581	1000	400	3594
363 kV		661	1000	400	4088
420 kV		753	1000	400	4518
550 kV		799	1000	400	5268
800 kV		4000	1000	670	10785
1100 kV		6620	1000	670	13862



CAPACITIVE VOLTAGE TRANSFORMER







Key Specifications	Rating
Highest Voltage	40.5-1,100 kV
Rated Frequency	60 Hz
Capacitance Range	1,430-50,000 pF*
Power-Frequency Withstand Voltage	95-1,200 kV
Lightning Impulse Level	200-2,400 kVp
Limit Output	1,000 VA
Rated Voltage Factor	Up to 1.9 / 30 Seconds

Lead Time:
150-Day Delivery

Standard:
IEEE/ANSI/CSA

Product Profile:

D Volt Co. capacitive voltage transformers provide voltage transformation for high-voltage power systems. The TYD series is available for system voltage classes from 40.5 kV through 1,100 kV, supporting 60 Hz applications and multiple IEEE-rated secondary burden configurations.

A broad range of capacitance, insulation levels, voltage factors, and physical configurations allows the equipment to be selected for different substation voltage classes and project requirements.

Applications:

- High-Voltage Substations
- Voltage Measurement
- Protection and Control Systems
- Power-System Monitoring
- Transmission Networks
- Utility Interconnections

Product Features:

- Wide Voltage Range
- 60 Hz System Compatibility
- Multiple Capacitance Options
- IEEE-Rated Secondary Burden Options
- Up to 1,000 VA Limit Output
- Multiple Voltage Factor Ratings

Services

At D Volt Co., we go beyond manufacturing and sales, we provide a comprehensive range of solutions and after-sales services designed to help our customers reduce costs, extend equipment lifespan, and enhance operational reliability.

In-House Services Team

Our experienced experts provide comprehensive technical support. We offer direct troubleshooting and repair on or off your field, ensuring issues are resolved quickly and effectively. Your operations are backed by D Volt Co.'s trusted in-house professionals.

Repair

When unexpected issues arise, our repair team ensures minimal downtime. D Volt Co. specializes in diagnosing and restoring transformer performance—whether it's on-site or at our facility. With skilled technicians, high-quality replacement parts, and proven repair processes, we extend the life of your equipment and safeguard reliability.

Testing

D Volt Co. provides professional transformer testing services to ensure safe, efficient, and reliable operation. With advanced facilities and strict quality procedures, we help customers verify performance, maintain compliance, and optimize long-term asset health.

Renting and Finance

We understand that flexibility is one of keys to project success. D Volt Co. offers rental options for temproray or emergency power needs, as well as financing solutions that help you manage capital expednditures more effectively.

Why Choose D VOLT CO.



Integrated Expertise:

Unlike traditional suppliers, D Volt Co. combines design, manufacturing, and sales under one roof. This vertically integrated model ensures full control of quality, cost, and delivery, while enabling faster response times and seamless project execution. We currently offer an "Assembled in the U.S." option and are continuing to expand this capability.

Flexible Lead Time:

Our typical lead time is 2–3 months, but we understand that certain projects require accelerated schedules. For time-sensitive needs, we offer expedited delivery options to help customers meet demanding deadlines.

Customization & Compliance:

Every project has unique requirements. We offer tailored designs and compliant modifications to ensure each transformer meets both technical specifications and regulatory standards. From voltage configurations to enclosure design, our engineering team provides solutions aligned with customer needs.

Quality & Warranty:

All D Volt Co. transformers are manufactured with premium core steel, advanced insulation, and precision-engineered windings. Each unit undergoes rigorous testing and complies with UL, DOE, CSA, ANSI, and IEEE standards. Backed by a 3-year warranty, our products deliver long-term reliability and value.

Customer-Centric Approach:

Beyond products, we provide financing options, responsive technical support, and post-installation service, ensuring our customers receive not just equipment, but a dependable partnership for the future.

Manufacturing & Quality Assurance

At D Volt Co., every transformer is the result of rigorous engineering, precision manufacturing, and uncompromising quality control. Our integrated production system ensures that each unit leaving our facility meets the highest industry standards for safety, efficiency, and reliability.

Manufacturing:

D Volt Co. products are manufactured with premium grade materials, advanced systems and expert engeineering. Our production, testing, transfer facilityies are stand behind our promise. Each unit is custom-built to meet specific application requirements while maintaining high efficency and durability. With "assembled in the U.S." option, we are fullfilling our customers' preference even further.

Testing:

All transformers undergo a full range of tests before delivery, including:

D Volt Co. provides specialized transformer testing services to support long-term reliability: 01

Oil Analysis – Evaluates dielectric strength and dissolved gases for predictive maintenance. 02

High Voltage (Hipot) Test – Confirms insulation integrity and electrical safety. 03

Lightning Impulse Test – Simulates surge and lightning conditions to validate durability. 04

Standards & Compliance:

Our products are built in compliance with UL, DOE, CSA, ANSI, and IEEE standards. In addition, we offer custom modifications to meet regional or project-specific regulations, ensuring that every unit aligns with customer and market requirements.

Quality Commitment:

With a 3-year warranty and strict quality assurance practices, D Volt Co. stands behind every transformer we manufacture, providing peace of mind and long-term value for our customers.

c UL us LISTED

CSA

IEEE

D VOLT CO.

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Proudly Serving

- Grid Works
- Boundary Electric
- Schneider Electric
- Delta Solar
- Great Oaks Co.
- SolarMax Technology
- NORTHSTAR Power
- Alta Lake Electric LTD
- EECOL Electric
- T&T Power Group
- Exell Power Service LTD
- SELECT ELECTRICAL ENTERPRISES LTD
- Resa Power
- Aurora Renewables LP
- Power System
- IslandTech
- SOUTHWORTH
- MegaResistors
- Bitdeer
- Artemis Power Tech
- Merkle Standard
- Jungbunzlauer
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