



D VOLT CO.

WHERE SPEED MEETS EXCELLENCE



D VOLT CO.



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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



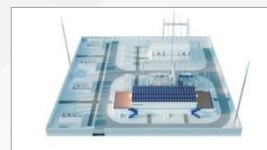
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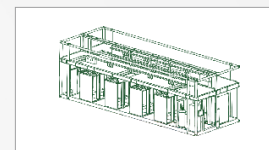
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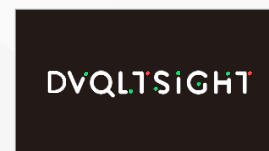
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dvoltsight.ai
Monitoring AI Platform

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.

Testing:

- ▶ Moisture 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	110	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	24940	480				99.53	14000
3000	34500					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
- Interlocked penta-head bolt with padlock handle for enhanced security
- Assembled in the U.S. option available
- Hinged lift-off cabinet doors for convenient access
- Externally clamped HV bushing wells for dead-front construction
- 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:

- ▶ Moisture 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				980	9350	1060*1500*1780	2050
1000	12.00	208/120			1160	11500	1085*1570*1800	2450
1250	12.47	415/240			1380	13900	1160*1610*1890	2900
1600	13.2	480/277	Dyn1	2.7	1660	16600	1190*1630*1950	3400
2000	13.8	400	Ynyn0	3.1	2030	18300	1260*1700*2090	4100
2500	14.4	600	Dyn11	4.35	2450	19600	1150*2150*2250	4750
3000	23.0	12000	Dd0	5.75	3240	26500	1900*2600*2150	6500
5000	24.94	12470	Ynd11	6.0	4500	27000	2500*2210*3180	9500
7500	34.5	13200	or others		7200	32000	3660*3100*5100	13600
10000	34.8	13800			8500	35500	3830*2640*2216	15800
	44	or others						
	or others							

**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



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.

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



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

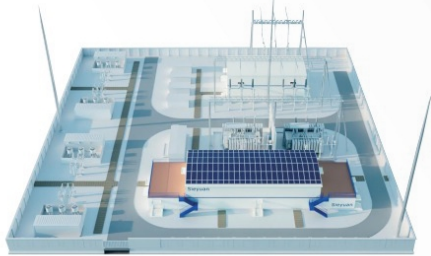
6-sided insulation, all-round protection

Anti-Corrosion

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

Standardization

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



Maintenance Access

Customized configuration, suitable for O&M

HVAC

Practical configuration, safe operation every day

Wiring

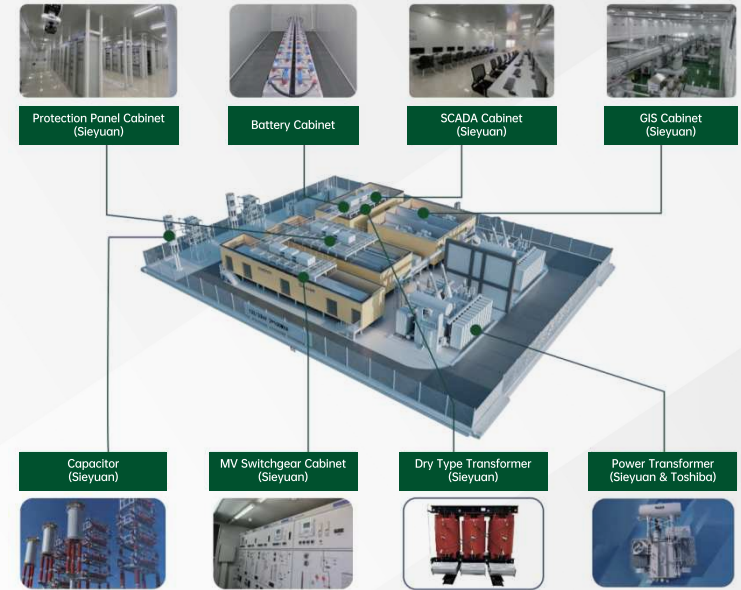
Implements standard processes, margin-based design

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:

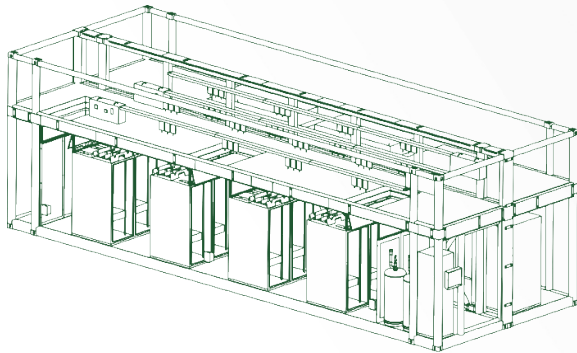
- Standardized design improves maintenance and quality control

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] Supports all Blackwell HGX platforms, with flexible cooling options.	Tessor 150 [Liquid] 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

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.



SWITCHPRIME

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
15-630-12-N	630	3	12.5	31.5	110	50	60	850	320	270	130	2	10
15-800-12-N	800	3	12.5	31.5	110	50	60	850	320	270	130	2	10
15-630-16-N	630	3	16	40	110	50	60	850	320	270	130	2	10
15-800-16-N	800	3	16	40	110	50	60	850	320	270	130	2	10

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

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

Ir A	Rated continuous current	mm	Creepage distance, phase-to-earth										
Tk S	Rated duration of short-circuit	mm	Clearance, phase-to-phase										
Isc KA	Rated short-circuit breaking current	mm	Minimum clearance, phase-to-earth										
Ima KA	Rated short-circuit making current	Kg	Weight										
Up KV	Rated lightning impulse withstand voltage	A	Line charging current										
Ud KV	Rated short-duration P.F. withstand voltage	A	Cable charging current										
μΩ	Impedance μΩ between connections												

Dry Type Transformer

(VPI & Cast Coil Type) UL listed



Breakers and Switches

Breakers:



Switches:



Instrument:



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 temporary or emergency power needs, as well as financing solutions that help you manage capital expenditures 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 engineering. Our production, testing, transfer facilities are stand behind our promise. Each unit is custom-built to meet specific application requirements while maintaining high efficiency and durability. With "assembled in the U.S." option, we are fulfilling our customers' preference even further.



Testing:

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

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

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

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

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



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.



D VOLT CO. 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



VANJEN Group



Guillevin