

CHARGE TRONIX

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Charging What Matters!

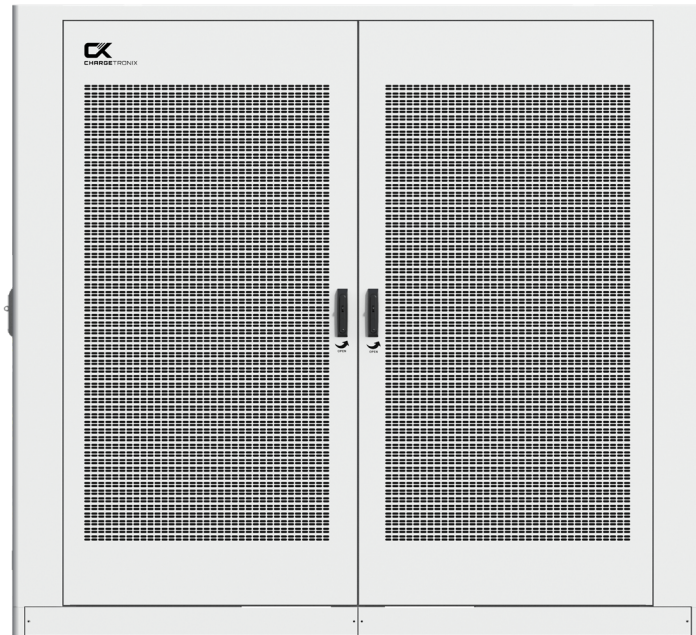


CHARGE TRONIX

ChargeTronix offers a comprehensive range of electric vehicle charging solutions, encompassing a full spectrum of AC and DC fast chargers to accommodate the varied demands of modern transportation. Our US-based operations utilize advanced technology to ensure high-performance, scalable, and customizable charging systems that enhance infrastructure for electric vehicles. Committed to maintaining the highest standards, ChargeTronix enforces rigorous multi-layer quality checks and offers superior after-sale support to ensure system reliability and customer satisfaction.

NEXUS 1.28MW POWER CABINET

1,280kW



1,280kW Output

1,280kW total system capacity using 32 × 40kW power modules.

Flexible Configuration

Up to 16 DC outputs to enable flexibility for multiple use-cases from Long Dwell (slower charging of as low as 80kW) to MCS level chargers at up to 1.2 MW.

Voltage Range

Supports 200-1000V DC output, covering a wide spectrum of vehicle platforms from light-duty to megawatt-class heavy-duty EVs.

Multiple Dispenser Options

Offers single and dual configurations. Dual dispensers use liquid cooling for up to 500A, ideal for high-demand sites. Single dispensers are tailored for fleet use

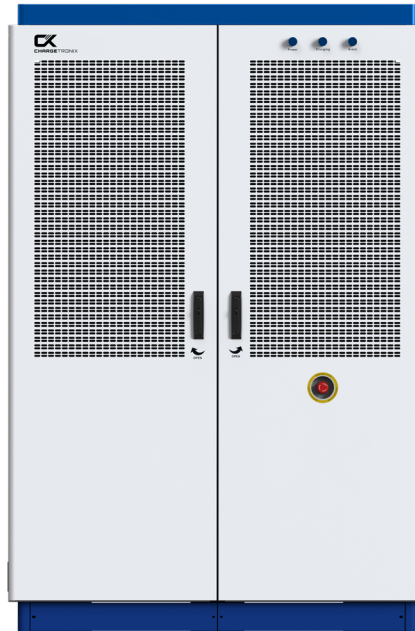
Standards

UL 2202, Energy Star V2.0, CTEP/NTEP, OCA.

Power Cabinet	
Rated output power	1,280kW
Input voltage range	400V(±10%) @ 50Hz
DC output voltage	200-1000V
Power factor	0.99
THDI	≤5%
Maximum output quantity	16 connectors
Protection	Lightning protection Emergency protection Overload protection Short-circuit protection Leakage protection Overcharge protection Over/Under voltage protection Reverse connection protection Over temperature protection
Operational altitude	<2000 m
Operating temperature	-13°F to 122°F (-25°C to 50°C) (Full power)
Humidity	5%-95% Rh non-condensing
IP & IK rating	NEMA3 R IK10
Dimensions (W x D x H)	90.55" x 43.30" x 82.67"
Weight	≤4409.245lbs(2000kg)

NEXUS 480KW POWER CABINET

360kW up to 480kW



Ultra-High Power Output

Delivers up to 480 kW with $\geq 96\%$ peak efficiency, ensuring ultra-fast charging for high-demand commercial applications.

Built-In Safety Suite

Equipped with comprehensive protections including over/under voltage, overcurrent, overtemperature, surge, and emergency stop, ensuring safe operation in all conditions.

Industrial-Grade Durability

Constructed with 304 stainless steel, rated NEMA 3R and IK10, and built to perform in harsh environments from -30°C to $+65^{\circ}\text{C}$.

Smart System Integration

Supports LAN, 4G, and Wi-Fi with OCPP 1.6J upgradeable to 2.0.1, enabling seamless integration with backend systems and remote monitoring platforms.

Power Cabinet

Max power	480kW
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FLA	630A
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Input voltage	480V±10%
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Input type	L1+L2+L3+PE
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Power factor	0.99
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Peak efficiency	≥96% (Full load ≥96%)
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Maximum output current	1600A
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Operating Temperature	-22°F to 149°F (-30°C to 65°C) (Full power)
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Weight	≤1984.16lbs(900kg)
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General

Enclosure	304 stainless steel
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IP & IK rating	NEMA3 R IK10
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Compliance	UL 2202, UL2231, UL1998, UL991, FCC, ISO 15118, CTEP Class 2.0
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Certification	cTUVus, OCA, EnergyStar (compliant)
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NEXUS DISPENSER + FLEET DISPENSER

Up to 480kW



Dual Dispenser



Fleet Dispenser

High-Performance Charging

Capable of delivering up to 480kW, our system supports simultaneous charging for up to 6 vehicles, making it perfect for high-traffic areas.

Advanced Design

The system includes a durable stainless steel enclosure with IP55 protection, ensuring reliability in any outdoor setting.

Smart Power Distribution

Intelligent load sharing allows for optimal power allocation across connectors, ensuring efficient charging for every vehicle.

User-Centric Features

With a variety of payment options and a 15-inch interface, the user experience is seamless and intuitive. Upgradable to OCPP 2.0.1.

Optional Dual Ports

The Nexus Distributed Charger System comes with optional; single port Fleet Dispenser or dual port Dual Dispenser. The Dual Dispenser can charge two vehicles simultaneously.

	Dual Dispenser	Fleet Dispenser
Output voltage	200~ 1000V	200~ 1000V
Constant voltage range	300~ 1000V	300~ 1000V
Number of connectors	2	1
Maximum current per connector	CCS1/NACS (Air Cooled) 200/350A(boost to 400A) CCS1/NACS (Liquid Cooled): 500A	CCS1/NACS (Air Cooled) 200/350A
Load sharing	Up to 2 EV simultaneous per Dispenser	N/A
Weight	≤531.3lbs(241kg)	≤110.2lbs(50kg)
Cable Length	16.4ft(5m) (optional cable management)	16.4ft/22.9ft(5m/7m) (optional cable management)
General		
Enclosure	304 stainless steel	
IP & IK rating	NEMA3 R IK10	

APEX SXE DCFC /GEN-3

240kW



SiC-Based Ultra-High Efficiency

Built with cutting-edge Silicon Carbide technology, the Apex SXE DCFC-240kW achieves a peak power conversion efficiency of greater than 96%, dramatically reducing energy losses and quiet operations. This ultra-efficient design means lower electricity consumption and operational costs for charging site owners.

Intelligent Power Distribution

The charger's intelligent power management dynamically allocates its 240-kW output between multiple charging connectors as needed. This smart distribution optimizes station usage – two vehicles can charge simultaneously at high speed – minimizing downtime and wait times for drivers.

Advanced Safety & Environmental Adaptability

Engineered with comprehensive safety features, the Apex SXE includes built-in tilt, flood, and smoke detection sensors that can automatically shut down the unit in emergencies. Its robust IP55/NEMA 3R-rated enclosure ensures durability in harsh weather and outdoor conditions, keeping the charger reliable and secure even in demanding environments.

Enhanced User Experience & Payment Flexibility

A large 15" HD touchscreen provides an intuitive, easy-to-use interface for all users and is ADA-compliant. The charger supports diverse payment options – RFID card tap, phone app, and traditional credit card payments offering convenient payment flexibility for every EV driver.

Rated power	240kW
Input Voltage	480 VAC +/- 10%
Input AC Current(FLA)	300A
Output Voltage	50-1000 Vdc 300~1000V is the output voltage of constant power output.
Max Output Current	CCS1/NACS (Air Cooled) 200/350A(boost to 400A)
Connector options	CCS1; NACS
Connector Cable Length	16.4ft (5m)
Peak efficiency	96%
Weight	≤1058lbs(480 kg)
IP and IK rating	IP55/NEMA 3R
Operating temperature	-13°F-122°F(-25 °C to +50 °C) (Full power)
Storage temperature range	-22°F-158°F(-30 °C to +70 °C)
Humidity	5 %-95 % RH non condensing
Communication Protocol	OCPP 1.6 J, OCPP 2.0 J (Can Be Upgraded Later)
Interface	15 HD touch screen
Remote Management	Remote Access, Diagnostics, Software Updates
Standards & Certifications	UL 2202:2022, UL 2231:2022, cTUVus, FCC Part 15, Energy Star, CTEP & NTEP

APEX SXE DCFC /GEN-3

120kW & 160kW



SiC-Based Ultra-High Efficiency

Built with cutting-edge Silicon Carbide technology, the Apex SXE DCFC-120kW & 160kW achieves a peak power conversion efficiency of greater than 96%, dramatically reducing energy losses and quiet operations. This ultra-efficient design means lower electricity consumption and operational costs for charging site owners.

Intelligent Power Distribution

The charger's intelligent power management dynamically allocates its power output between multiple charging connectors as needed. This smart distribution optimizes station usage – two vehicles can charge simultaneously at high speed – minimizing downtime and wait times for drivers.

Advanced Safety & Environmental Adaptability

Engineered with comprehensive safety features, the Apex SXE includes built-in tilt, flood, and smoke detection sensors that can automatically shut down the unit in emergencies. Its robust IP55/NEMA 3R-rated enclosure ensures durability in harsh weather and outdoor conditions, keeping the charger reliable and secure even in demanding environments.

Enhanced User Experience & Payment Flexibility

A large 15" HD touchscreen provides an intuitive, easy-to-use interface for all users and is ADA-compliant. The charger supports diverse payment options – RFID card tap, phone app, and traditional credit card payments offering convenient payment flexibility for every EV driver.

	120kW AiO	160kW AiO
Rated power	160kW	160kW
Input Voltage	480 VAC +/- 10%	480 VAC +/- 10%
Input AC Current(FLA)	150A	200A
Output Voltage	200-1000V	200-1000V
Max Output Current	CCS1 up to 120kW NACS up to 120kW	CCS1 up to 350A(500A boost) NACS up to 350A(400A boost)
Connector options	CCS1; NACS	CCS1; NACS
Connector Cable Length	16.4ft (5m)	16.4ft (5m)
Peak efficiency	96%	96%
Weight	≤798lbs (362kg)	
IP and IK rating	NEMA 3R / IK10	
Operating temperature	-22~149°F(-30~65°C)(50°C/122°F derate)	
Storage temperature range	-58~176°F(-50~80°C)	
Humidity	5 %-95 % RH non condensing	
Communication Protocol	OCPP 1.6 J, OCPP 2.0 J (Can Be Upgraded Later)	
Interface	15 HD touch screen	
Remote Management	Remote Access, Diagnostics, Software Updates	
Standards & Certifications	UL 2202:2022, UL 2231:2022, OCA OCPP 1.6 (2.0.1 Coming Soon), CSA C22.2 No.346:2022, FCC Part 15 Subpart B:2021, Energy Star, CTEP & NTEP	

APEX DCFC /GEN-2

60kW - 360kW



Power Efficiency

Boasts a maximum output of 360 kW with a high efficiency of over 94% at nominal power. Offers a broad voltage range from 150 to 1000VDC, accommodating various EV needs.

Advanced Connectors

Features multiple connector options including CCS, CHAdeMO, and NACS, with standard liquid cooling up to 600A. Ensures versatile and rapid charging for a wide range of electric vehicles.

Robust Design

Engineered for durability with NEMA 3S (IP54) Ingress Protection and a sturdy build, ensuring reliable performance in diverse environmental conditions. Weighs 1638 lbs. with dimensions of 41.97" x 40.9" x 90.11".

User Interface

Equipped with a 10" LCD touch screen for easy operation and monitoring. Supports OCPP 1.6J, RFID, and credit card reader, offering convenient access control for users.

	60kW AiO	120kW AiO	180kW AiO	240kW AiO	360kW AiO
Rated power	60kW	120kW	180kW	240kW	360kW
Input AC Current(FLA)	80A	160A	240A	320A	480A
Input Voltage	480VAC (3P + N + PE)				
Output Voltage	150-1000VDC				
Max Output Current	Up to 200A	Up to 400A	Up to 600A	Up to 800A	Up to 1200A
Connector options	CCS1; NACS; CHAdeMO				
Connector Cable Length	16(5m)				
Peak efficiency	94%				
Weight	≤617lbs	≤816lbs	≤882lbs	≤1190lbs	≤1638lbs
Dimensions (L x D x H)	39.96" x 25.82" x 73.42"			43.07" x 36.97" x 81.3"	
IP and IK rating	NEMA 3S (IP54), IK 10				
Operating Temperature	-20°C to 55°C (-4°F to 131°F)				
Humidity	5 %-95 % RH non condensing				
Communication Protocol	OCPP 1.6 J				
Interface	10" LCD touch screen				

APEX DCFC /GEN-2

30kW



Power Efficiency

Delivers a steady 30 kW output with over 94% efficiency and a wide 150–1000 VDC range, ensuring rapid and reliable charging across a variety of EV battery systems. This flexibility makes it ideal for urban fast-charging, fleet depots, and public charging applications where consistency is key.

Advanced Connectors

Features multiple connector options including CCS, CHAdeMO, and NACS, for up to 100A. Ensures versatile and rapid charging for a wide range of electric vehicles.

Robust Design

Engineered for durability with NEMA 3S (IP54) Ingress Protection and a sturdy build, ensuring reliable performance in diverse environmental conditions. Weighs 157 lbs. with dimensions of 22.44" x 13.41" x 27.55".

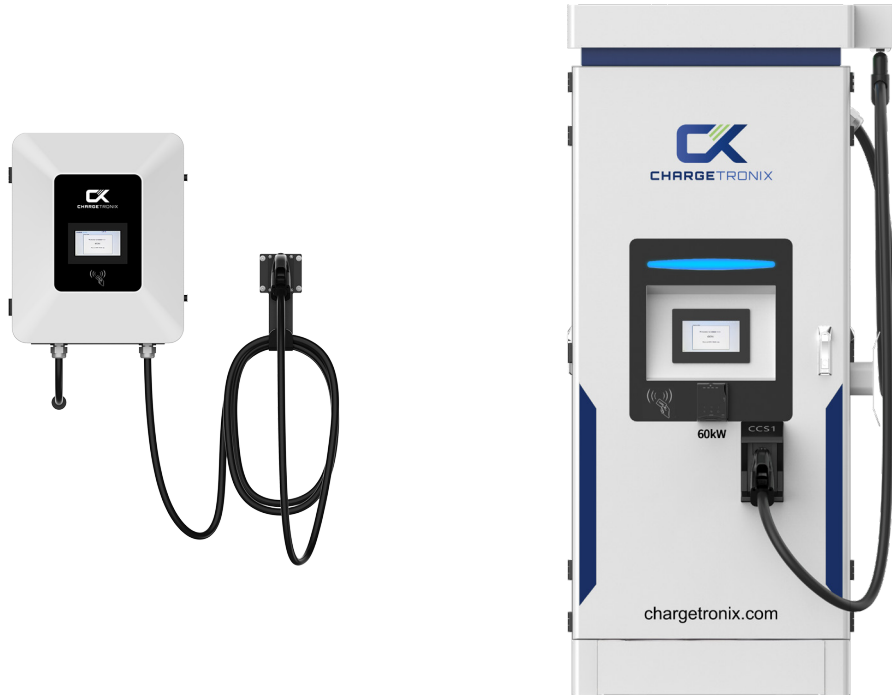
User Interface

Equipped with a 7-inch LCD touch screen for easy operation and monitoring. Supports OCPP 1.6J, and RFID, offering convenient access control for users.

Rated power	30kW
Input AC Current(FLA)	40A
Input Voltage	480VAC (3P+N+PE)
Output Voltage	150-1000VDC
Max Output Current	Up to 100A
Connector options	CCS1; NACS; CHAdeMO
Connector Cable Length	16(5m)
Peak efficiency	94%
Weight	≤157lbs
Dimensions (L x D x H)	22.44" x 13.41" x 27.55"
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Humidity	≤ 95% RH ≤ 99% RH (Non-condensing)
Communication Protocol	OCPP 1.6 J
Interface	7" LCD touch screen

PHOENIX BIDIRECTIONAL (V2G)

20kW | 30kW | 40kW | 60kW



Bidirectional Charging Capabilities

Supports both Vehicle-to-Grid (V2G) and Grid-to-Vehicle (GTOV) with an output voltage range of 200-750VDC and 304-485VAC respectively, making it versatile for various EV charging needs.

High Efficiency and Reliability

Offers an efficiency of 94% at nominal output power and operates within a wide temperature range of 22F to 131F, ensuring reliable performance under different environmental conditions.

Advanced Safety Features

Equipped with multiple safety measures including GFCI, surge protection up to 20kA, and an emergency stop button, providing a secure charging process.

Connectivity and User Interface

Features a 7-inch touch screen and supports multiple communication protocols including Ethernet, WiFi, and 4G, coupled with an OCPP 1.6J V2G interface for efficient management and monitoring.

	20kW	30kW	40kW	60kW
Rated power	20kW	30kW	40kW	60kW
Input Voltage	304-485 VAC (3P+N+PE)			
Output Voltage	150 to 1000VDC			
Max Output Current	Up to 67A	Up to 67A	Up to 134A	Up to 200A
Connector options	CCS1; NACS; CHAdeMO			
Connector Cable Length	Exposed 16.4ft (5m)			
Peak efficiency	94%			
Weight	≤575lbs	≤606lbs	≤606lbs	≤637lbs
Dimensions (LxDxH)	22.44" x 13.41" x 27.55"		35.22×29.51×73.44	
IP and IK rating	NEMA 3S (IP54), IK 10			
Operating Temperature	-20°C to 55°C (-4°F to 131°F)			
Humidity	≤95% RH ≤99% RH (Non-condensing)			
Communication Protocol	OCPP 1.6 J, OCPP 2.0 J (Can Be Upgraded Later)			
Interface	7" touch screen			

Buy America FHWA

Our Buy America compliant products ensure quality and compliance with national standards.

Building on the **Apex DC Fast Charger** line, ChargeTronix proudly assembles its 60kW, 120kW, 180kW, and 360kW Chargers in the United States.

Supporting domestic, and local industries to drive economic growth. We ensure quality and compliance with national standards plus being FHWA compliant.

Features

- Software Agnostic
- Swift Charging Speeds
- Strong and Reliable Power Module System
- User-Friendly UI
- Cord Management, RFID Readers, and Air or Liquid Cooled Connectors



White Label Solutions

ChargeTronix offers white-label solutions tailored for businesses looking to offer EV charging under their brand. This service includes customizable hardware and software, ensuring a seamless integration with your existing services. Our white-label solutions are designed for network operators and manufacturers seeking to expand their offerings in the EV charging space.



FLUX AC CHARGERS

16A to 80A



Residential 16A



Commercial 32A - 48A



*Commercial 80A
(Single & Dual)*

Versatile Charging Options

Offering models with varying amperages (16A, 32A, 40A, 48A, 80A), catering to different power needs and vehicle types, ensuring a match for every electric vehicle.

Robust Design

Constructed to withstand harsh conditions, our chargers operate flawlessly within a wide temperature range (-22°F to 122°F), with enclosures rated for outdoor use.

Intuitive User Interface

Equipped with LCD screens and LED indicators, providing clear status updates and making operations straightforward.

Connectivity and Control

With options for Wi-Fi, Bluetooth, and 4G connectivity, our chargers support OCPP 1.6J (2.0.1 compatible) for smart charging capabilities and remote management.

CTX-RAC48

Maximum Power	3.8kW 7.68kW 9.6kW 11.52kW
Max Output Current	208/240VAC 60Hz
Input Voltage Frequency	16A 32A 40A 48A
Connector Cable Length	18ft or customization
Weight	5.7kG (hardwired via pigtail)/ 6.3kg(NEMA 14-50P)
Dimensions	10.8"*7.0"*4.5"
Display	LED
Operating Temperature	-30~50°C(-22 to 122°F)
Working Storage Humidity	Up to 95%, non-condensing
Interface Protocol	OCPP 1.6J (Upgradeable to 2.0.1)

CTX-CAC48

Maximum Power	7.68kW 9.6kW 11.52kW
Max Output Current	208/240VAC 60Hz
Input Voltage Frequency	32A 40A 48A
Connector Cable Length	18ft or customization
Weight	14-16lbs(32A) / 19-20lbs(40A) / 22-23lbs(48A)
Dimensions	5.7"*9.6"*16.3"
Display	4.3" LED
Operating Temperature	-30~50°C(-22 to 122°F)
Working Storage Humidity	Up to 95%, non-condensing
Interface Protocol	OCPP 1.6J (Upgradeable to 2.0.1)

Part Number	Rated Input(I)/Output(O) Hz	Rated Output Current(A)	Max Power	Charge Coupler
CTX-C80-240-1	Lvl 2, 208/240VAC 60Hz	80A/80A	19.2kW	SAE J1772 TYPE1/80A
CTX-C40-240-2	Lvl 2, 208/240VAC 60Hz	80A/2*40A	2*9.6kW	2*SAE J1772 TYPE1/40A
CTX-C80-240-2	Lvl 2, 208/240VAC 60Hz	1*80A/2*40A Load Balancing	19.2kW	2*SAE J1772 TYPE1/80A
Connector Cable Length		18ft or customization		
Weight		5.7kG (hardwired via pigtail)/ 6.3kg(NEMA 14-50P)		
Dimensions		10.8"*7.0"*4.5"		
Display		LED		
Operating Temperature		-30~50°C(-22 to 122°F)		
Working Storage Humidity		Up to 95%, non-condensing		
Interface Protocol		OCPP 1.6J (Upgradeable to 2.0.1)		

FLUX AC PEDESTAL & CABLE RETRACTORS

Configurable for all Flux AC Charger models



Standard Wall Mount



Standard Wall Mount with
Cable Management



Single Gun Pedestal



Single Gun Pedestal with
Cable Management



Dual Gun Pedestal with Back-
to-Back Chargers



Dual Gun Pedestal with Side-
by-side Chargers



Dual Gun Pedestal with Back-
to-Back Chargers and Cable
Management



Dual Gun Pedestal with Side-
by-Side Chargers and Cable
Management

GET IN TOUCH WITH US

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