



ULTRAFAST EV CHARGING
MADE CONVENIENT.



BOOST CHARGER™



ULTRAFAST EV CHARGING MADE CONVENIENT

Drive next-generation customer experience, retention, and revenue with FreeWire ultrafast EV charging and energy services.

Boost Charger™ is a powerful charging platform that allows retailers to connect to their customers like never before. From the industry's most prominent touchscreen, custom branding and advertising, and multiple payment options, FreeWire makes the charging experience fast, easy, and convenient. FreeWire chargers enable retailers to maximize in-store profits, differentiate their brand, build customer loyalty, and remotely control advertising.

Backing the premium customer experience is a fully-integrated charging solution, incorporating energy storage, power conversion, and control center in a single platform. FreeWire's technology reduces your installation costs by 20% by avoiding electrical upgrades, and lowers operating costs by 70% by virtually eliminating energy fees and demand charges through peak-shaving and load shifting capabilities. Engineered with site hosts in mind, Boost Charger promotes a positive ROI years faster than legacy chargers.

Boost Charger plugs into existing and ubiquitous low-voltage utility service and delivers high-power charging in areas that typically require extensive grid upgrades. Boost Charger enables ultrafast EV charging at all locations, freeing owners from the costs of providing fast charging using power directly from the electric grid. FreeWire has designed a charger that's as simple to install as it is to use.

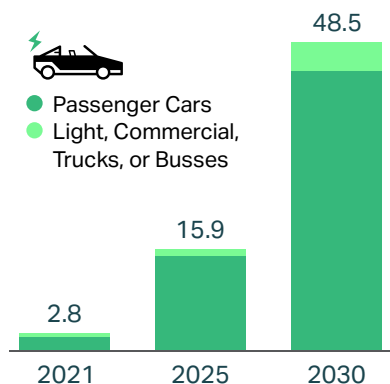
- ⚡ PREMIUM FAST EV CHARGING
- ⚡ BUILT-IN ENERGY STORAGE
- ⚡ FAST & FLEXIBLE INSTALLATION
- ⚡ CUSTOM BRANDING & ADVERTISING



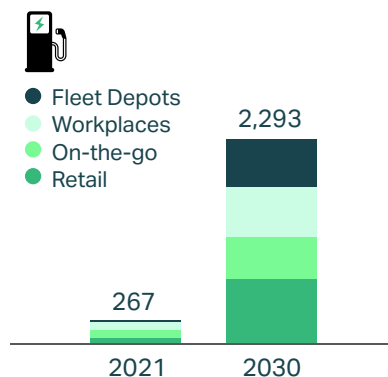
THE FUTURE OF EV CHARGING IS UP FOR GRABS

EV adoption has hit a tipping point and continues to accelerate. Today about two percent of the vehicles on the road in the U.S. are electric, but according to the International Energy Agency, that number will rise to 50% by 2030. EVs will revolutionize transportation infrastructure because powering them will require a massive network of public ultrafast chargers. While the [federal infrastructure bill aims to have 500,000 public charging stations installed nationwide](#), the real need is likely much higher, with growth projections at 9X this decade! This is a once-in-a-generation opportunity for site hosts to provide an essential service for a growing market.

Projected number of EVs on the road (Millions)



Required number of EV chargers (Thousands)



Widespread adoption of EVs and the next generation of ultrafast EV charging stations allow retailers to generate additional revenue and align their brand with energy efficiency and environmental stewardship.

- ⚡ ATTRACT & RETAIN HIGH-VALUE CUSTOMER
- ⚡ ADDITIONAL REVENUE STREAMS & ROI
- ⚡ DELIVER A PREMIUM CUSTOMER SERVICE
- ⚡ ENHANCE SUSTAINABILITY GOALS



“ bp is aiming to increase our charging points from 7,500 today to more than 70,000 in 2030, helping more people, cities, and countries make the switch to electric vehicles (EVs) than ever before.

We see FreeWire as a key contributor to our strategy, allowing us to expand our charging network faster and in more locations than previously possible. ”





“ These public chargers are an important part of the infrastructure needed to support and promote the evolution in technology, serving our customers and community. ”



Peggy Simmons

President and COO, PSO



BENEFITS FOR RETAILERS

FAST INSTALLATION

Deploy ultrafast charging 6X faster than traditional charging systems. FreeWire chargers are designed and manufactured in the US, with quick delivery and installation.

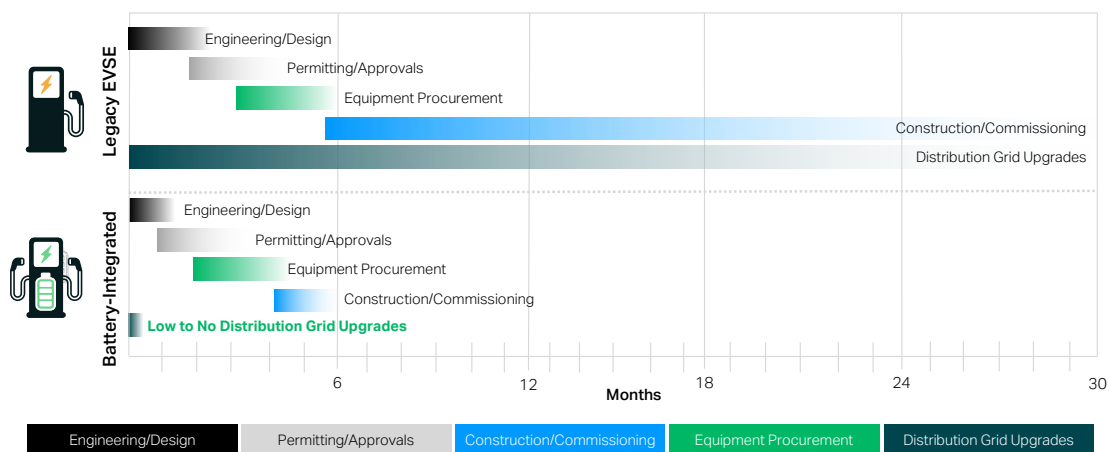
COST-EFFICIENT

Battery-integrated energy storage reduces installation costs by 20% by avoiding costly and time-consuming electrical upgrades.

FLEXIBLE

Boost Charger is infrastructure-light, requiring no additional electrical upgrades, meaning you invest in the charger, not the infrastructure. Investing in the charger allows for rapid deployment, and can easily be moved between sites.

Average Deployment Timeframe Comparison



Fast installation through reduced construction and commissioning and negligible distribution grid upgrade requirements.



OFFER EV DRIVERS A PREMIUM EXPERIENCE

LOYALTY

Maintain your brand across fueling station technology. Attract and retain high-value customers by customizing the station branding and touchscreen to easily integrate and advertise your new charger offering to a dedicated customer base.

ULTRAFAST CHARGING

Customers spend 20 minutes on average to fully charge their EVs. This ultrafast charging service is attractive for customers, while providing additional opportunities for in-store sales. Fuels Institute reports that the typical EV owner spends \$1 per minute during a charging session.

INTUITIVE

FreeWire chargers utilize a simple three-step process: pay, plug, go. The large 24" color touchscreen guides customers through the process and features a built-in help center.

COMPREHENSIVE

Each Boost Charger is capable of providing simultaneous charging from both charger cables. All EV models are compatible and ready to charge with multiple connector options.

CONVENIENCE

Provide EV drivers on the road with a familiar place to safely recharge their car, themselves, and their passengers with in-store purchases and amenities.



“ We are always seeking ways to provide new, innovative services for our customers. Offering ultrafast electric vehicle charging at our ampm stores supports our brand promise of delivering ultimate convenience. ”



Kevin Kapala
COO, ampm (bp)



“ The main reason for going with FreeWire was the reduced infrastructure costs. We knew we wanted the fast-charging experience, and this was the easiest, lowest barrier of entry to get there. ”



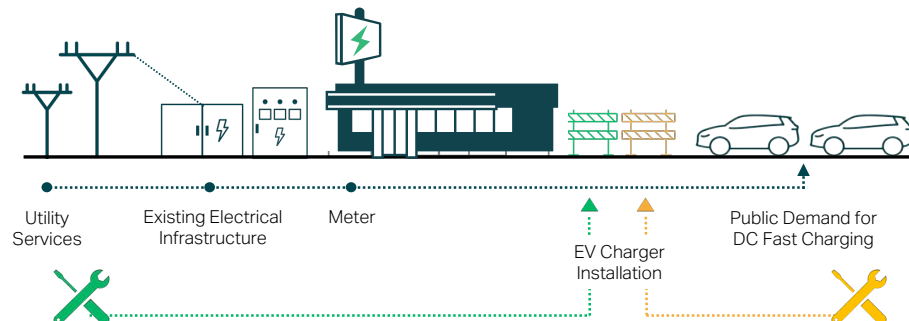
Sean Moen
VP Strategy, Lancer Energy



TURNKEY EV CHARGING AND ENERGY PLATFORMS

The speed and convenience of ultrafast charging stations are the perfect match for retail locations. However, until recently ultrafast EV charging stations, which can provide **200 miles of range on just 15 minutes of charge**, typically demand expensive and time-consuming upgrades to the electrical grid. Plus, installing them can require the involvement of utility companies and local governments, adding layers of red tape and cost.

FreeWire's next-generation of battery-integrated charging solutions are designed to easily connect to existing power infrastructure, making more sites readily available for ultrafast EV charging stations – including grid-constrained urban and rural locations. Instead of spending extensive time and cost on electrical infrastructure upgrades, **Boost Chargers can be installed 6X faster** than conventional fast charging stations and are operational within hours.



Boost Charger Installations		
Customer		1 Battery-Integrated DC Fast Charging Station
Utility		No utility upgrades needed

Conventional Installations		
Customer		2 Legacy DC Fast Charging Stations
Utility		MV Utility Service (6kV-21kV)
Utility		Upgrade Transformer
Utility		New Power Distribution Unit
Utility		Upgrade Electrical Panel
Utility		New Power Cabinet



OPTIMIZE YOUR EV CHARGING OPERATIONS

OWN YOUR DATA

Access to robust data through back-end software management for all chargers to manage performance, utilization, pricing and more. Custom API and app integration on request.



REMOTE MANAGEMENT

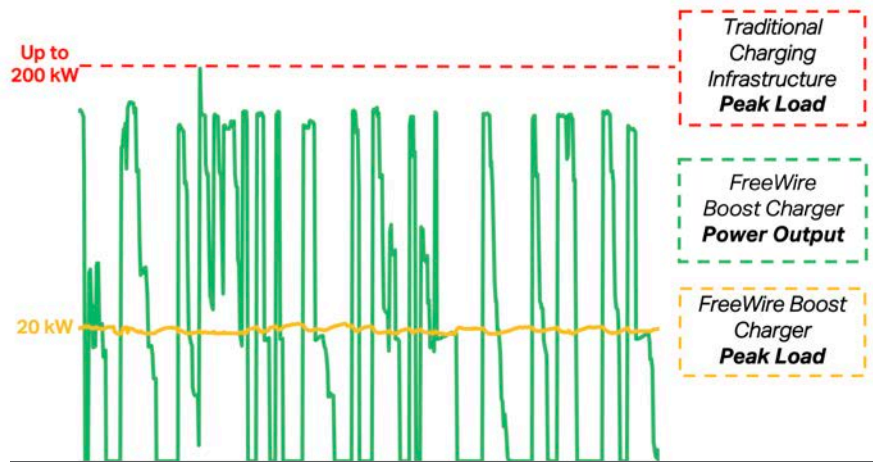
FreeWire's asset management platform, AMP™, enables remote access and customization anytime, anywhere. Run reports, change screen messaging and advertising, and even customize the LED status indicator light colors.





DRIVE FASTER ROI

Boost Charger reduces operating costs by 70% by managing energy costs. Capture charger revenue and increased retail sales, with lower ongoing energy costs, for greater ROI.



48-hour FreeWire Boost Charger high-utilization data

Unlike legacy fast charging infrastructure, Boost Charger's power input is low and predictable at 20kW, while delivering up to 200kW output. Legacy chargers that are connected to power directly from the grid, draw equivalent power input to output, which can incur costly demand charges on an energy bill.

DRIVE IN-STORE TRAFFIC

Digital signage captures more than 400% more views than static signage. Advertise on the charger itself or utilize the 24" touchscreen for custom advertising campaigns. Digital advertising can be customized anywhere, any time using the FreeWire AMP software included in the charger purchase.

RECHARGE WHILE YOU RECHARGE.

Triple O's BURGERS

20% OFF
JUST SHOW YOUR ACTIVE CHARGING APP!

*Offer valid at participating Triple O's locations. Not valid on Triple "O" Tuesdays Original Burger or combo, or Kid's Meals. Not available via delivery or mobile app. One item per guest, per visit. No cash value. Not valid with any other discount or promotional offer.



CUSTOM BRANDING AND MARKETING SERVICES

Ultrafast EV charging stations are a powerful tool for customer acquisition, retention, and revenue.

The marketing landscape is changing, requiring retailers to utilize all available real estate and technology to attract and retain customers. This includes physical signage, on-screen advertising and increasingly mobile technology and e-commerce, which is transforming how consumers buy goods through touchless solutions. As nearly 90% of shoppers at convenience stores have mobile phones, capturing the customer and enabling mobile purchases through loyalty programs is a high priority. Retaining full control of your brand and digital experience is paramount to delivering a positive customer experience while generating new revenue streams.

Ultrafast EV chargers are an opportunity to attract and retain high-value customers. Boost Chargers are turnkey charging products, and can be configured with major EV charging networks, or integrated into your customer loyalty program.

The way drivers power their vehicles is changing, and so are their methods of finding fueling stations. FreeWire is ahead of the market with charging technology and knowledge of your future customer base and will provide valuable tools and resources for launching a new, or existing EV charging program. Included with your charger purchase are onboarding documentation, consultations, and programs to ensure your sites are visible across key touchpoints online to maintain valued customers and drive new users. Optimize your charging station visibility, media, and advertising strategies with FreeWire marketing support.

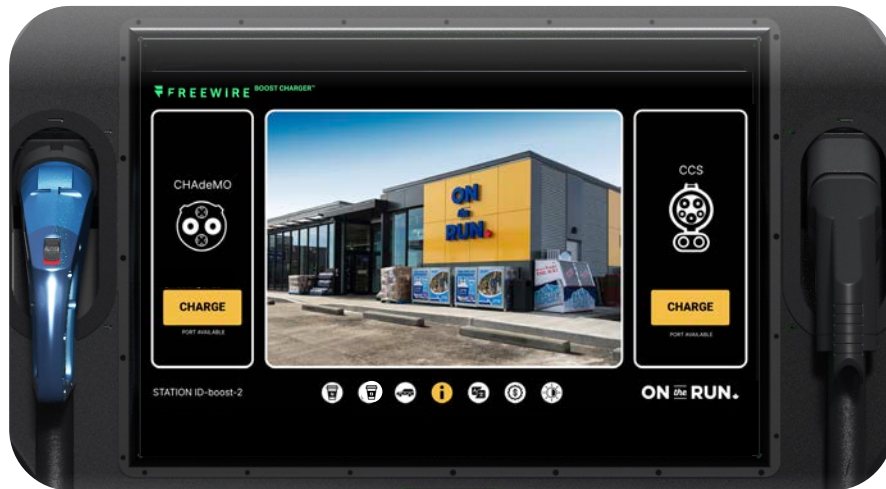
FreeWire marketing services include:

- ⚡ CUSTOM CHARGER WRAP DESIGN
- ⚡ DIGITAL MARKETING CONSULTING
- ⚡ MEDIA PROMOTION
- ⚡ EV DRIVER CUSTOMER INSIGHT



USER INTERFACE

Ultrafast EV chargers are an opportunity to attract and retain high-value customers. Boost Chargers can be configured with major EV charging networks, or integrated into your customer loyalty program.



CHARGER DESIGN

FreeWire's custom branding services enable you to brand each Boost Charger with your unique corporate identity to maintain a transparent marketing strategy across service offerings. The following options are available, including logo placement, full and partial vinyl wraps, and custom operating screens on the 24" touchscreen:



Logo Placement



Full Vinyl Wrap



Full Vinyl Wrap + Touchscreen



REMOTE ASSET MANAGEMENT PLATFORM

FreeWire's Asset Management Platform (AMP) is an advanced software platform for control, optimization, and reporting of your battery-integrated EV charging assets. AMP provides the data and tools necessary to easily manage your Boost Charger deployment of any size, from a single unit to multiple units across many sites.

Remotely track utilization and performance, manage chargers by groups, optimize energy consumption to reduce operational expenses, and customize on-screen displays to promote brand awareness and drive revenue. FreeWire's integrated software platform provides full access and control of your charger deployments in one place.



CONNECT WITH THIRD-PARTY NETWORKS

AMP makes it easy to analyze individual to multiple Boost Chargers. With a simple click, you can gain insight into energy and charger utilization for internal optimization or external reporting requirements. AMP's back-end charger management platform can be paired with major EV charging networks.

evconnect



Shell
Recharge



-chargepoint+

AssetWORKS

bp pulse

MANAGE THE POWER OF EACH BOOST CHARGER

AMP enables even more control over Boost Charger's already low power requirements. Manage consumption, control costs, and minimize risk through scheduled charging when electric rates are at their lowest.



ENHANCE YOUR BRAND AND CUSTOMER LOYALTY

Remotely customize and promote your brand and product offerings through control of LED status indicator light color, and on-screen display.



DISPLAY ADVERTISEMENTS AND PRODUCT PROMOTIONS

Customize Boost Charger's 24" touchscreen remotely to establish your brand and drive in-store sales through a positive customer experience. Share product promotions, store locations, customer loyalty programs, and more!



OPTIMIZE YOUR BOOST CHARGER REVENUE

Change your fee structure and pricing remotely to drive revenue or utilization.



REAL-TIME DATA TO MAXIMIZE YOUR EV CHARGING SERVICES

AMP makes it easy to analyze individual to multiple Boost Chargers. With a simple click, you can gain insight on energy and charger utilization for internal optimization or external reporting requirements.





INCENTIVES

FreeWire anticipates that the increased availability of EV charging incentives at the state and federal levels will increase franchisee demand and significantly improve project ROI. Through the **National Electric Vehicle Infrastructure Program (NEVI)**, for example, states will be investing \$5 billion over the next several years to support the deployment of ultrafast EV charging along designated corridors. Many of our partners have locations along these corridors and are therefore eligible to compete for the available funding to cover up to 80% of project cost. Notably, the NEVI program supports battery-integrated EV charging equipment and has called out the benefits that this technology configuration can offer in terms of speeding up deployment and reducing total cost of ownership.



Equipment Requirements: 4 charging stations per site



Power Requirements: Maximum power per DCFC charging port must be at or above 150 kilowatts (kW)



Operational Requirements: Stations must be physically accessible to the public 24 hours per day, seven days a week, year-round

In addition, recently enacted tax credits for EV charging and energy storage at the federal level will offer site hosts improved project economics. FreeWire's technology is unique compared to other EV charging solutions in that it will likely be eligible for either an EV charging investment tax credit or an energy storage investment tax credit. In either instance, customers will be able to capture a tax incentive that is valued at 30% or greater of total equipment and installation costs of a project.

FINANCING YOUR EV CHARGING PROJECT

FreeWire Technologies is pleased to provide equipment financing for your Boost Charger purchases. Utilizing financing with experienced partners to fund electric vehicle charging equipment gives you the capital flexibility to operate your business while adding an attractive amenity at low upfront costs.

⚡ **INCLUDE 100% OF THE COSTS**

⚡ **ONLY COLLATERAL TAKEN IS THE EQUIPMENT**

⚡ **MINIMAL UPFRONT COSTS**

⚡ **FIXED PAYMENT AND INTEREST RATES**



BOOST CHARGER DATASHEET

ENERGY STORAGE

Energy Chemistry	Lithium-ion (NMC)
Energy Storage Capacity	160 kWh

ELECTRICAL SPECIFICATIONS (OUTPUT)

Supported Connector Types	CCS1 / CCS2 CHAdeMO	
Charge Ports	2	
Max Output Power (DC)	Boost Charger 150 CCS: 150 kW CHAdeMO: 100 kW Combined: charge 2 vehicles simultaneously at up to 75 kW each	Boost Charger 200 CCS: 200 kW CHAdeMO: 100 kW Combined: charge 2 vehicles simultaneously at up to 100 kW each
Voltage	200-500 Vdc	200-950 Vdc

ELECTRICAL SPECIFICATIONS (INPUT)

Power (AC)	≤ 27 kW
Voltage (AC)	U.S./Canada: 208 Vac 3-phase, or 240 Vac split-phase U.K./E.U.: 400 Vac 3-phase
Current	U.S./Canada: 208 Vac: 80 amps maximum load, or 240 Vac: 120 amps maximum load U.K./E.U.: 400 Vac: 40 amps maximum load
Frequency	50 / 60 Hz ± 1%

MECHANICAL SPECIFICATIONS

Dimensions	109 cm (43") L x 101 cm (40") W x 243 cm (96") H
Cable Reach from Station	340 cm (134")
Weight	1,720 kg (3,800 lbs)

ENVIRONMENTAL SPECIFICATIONS

Installation Location	Outdoor
Enclosure Protection Rating	IP 54
Operating & Storage Temperature	-20° C (-4° F) to +55° C (131° F)

NETWORK & USER INTERACTION

Network Connection	4G LTE, Ethernet
Communications	OCPP 1.6-J
User Interface Screen	61 cm (24") ruggedized LCD touchscreen
Credit Card Reader	Standard
Payment Methods Accepted	Credit cards, NFC, MIFARE, FeliCa
Access Control & Authentication	RFID: ISO 15693, ISO 14443, NFC
Safety & Compliance	U.S.: UL2202, UL2231-1, UL2231-2, UL991, UL1973 (battery pack), FCC Part 15 Class A Canada: CSA 107.2, CAN/UL 1973

CERTIFICATIONS





FREEWIRE

www.freewiretech.com

Learn how Boost Charger is the best solution
to quickly deploy and scale ultrafast EV charging
for your customers.

**Contact a FreeWire energy expert:
sales@freewiretech.com**