Bring on the electric revolution

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Comparison table

	Green Motion EV Smart Breaker Chargers		Green Motion Building	Green Motion Building Pro	Green Motion Fleet	Green Motion Fleet Pro	Green Motion EV Charging Busway
	Installs directly into Eaton loadcenters and panelboards[1]	Residential, EV wall charger	Multi-family and workplace charging solution	Commercial and destination charging solution for passenger vehicles	Commercial, high-power charging for fleet applications	Fleet and industrial charging solution for medium duty trucks	Overhead EV charging for large fleet and industrial applications
Product Specifications							
Max power rating	32 A / 7.7 kW	32 A / 7.7 kW	40 A / 9.6 kW	48 A / 11.5 kW	80 A / 19.2 kW	80 A / 19.2 kW	80 A / 19.2 kW
Metering accuracy	± 0.2%	± 0.2%	± 1%	± 1%	± 1%	± 1%	± 1%
Enclosure	2-pole circuit breaker	Plastic	Plastic	Plastic	Plastic	Metal	Metal
Communication protocols	Wi-Fi	Wi-Fi	Wi-Fi, Ethernet, cellular	Wi-Fi, Ethernet, cellular	Wi-Fi, Ethernet, cellular	Wi-Fi, Ethernet, cellular	Wi-Fi, Ethernet, cellular
Cordset	J1772 EV connector and 25-foot cord with patented LED design to indicate state	J1772 EV connector and 25-foot cord with patented LED design to indicate state	J1772 EV connector and 25-foot cord	J1772 EV connector and 25-foot cord	J1772 EV connector and 25-foot cord	J1772 EV connector and 25-foot cord	J1772 EV connector and 25-foot cord
User interface	Status indicator	Status indicator	Display screen & status indicator	Touchscreen display & status indicator	Display screen & status indicator	Touchscreen display & status indicator	Status indicator
Mounting options	Integrates directly into panel	Wall and pedestal options	Wall and pedestal options	Wall and pedestal options	Wall and pedestal options	Wall and pedestal options	Busway
Access control [2]	QR code	QR code	QR code & RFID	QR code & RFID	QR code & RFID	QR code & RFID	QR code
Payment capabilities [2]	QR code, mobile app	QR code, mobile app	QR code, RFID, mobile app	QR code, RFID, mobile app	QR code, RFID, mobile app	QR code, RFID, mobile app	QR code, mobile app
Trade compliance	TAA	TAA	-	TAA	-	TAA	-
CTEP compliant	-	-	Yes	Yes	Yes	Yes	-
OCPP compliant (1.6J)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Outdoor rating (NEMA3R)	-	Yes	Yes	Yes	Yes	Yes	-
Energy Star certification	Yes	Yes	Yes	Yes	Yes	Yes	-
Target applications							
Single family residential	Yes	Yes	-	-	-	-	-
Multi-family residential	Yes	Yes	Yes	Yes	-	-	-
Workplace and destination [3]	-	-	Yes	Yes	Yes	Yes	-
Fleet depot	-	-	-	-	Yes	Yes	Yes

[1] Install up to six EV smart breaker chargers

[2] QR code, RFID card, and Mobile app provided by EV software provider

[3] Destination charging includes retail parking lots, malls, sports arenas etc.

Enable fast, low-cost and sustainable charging everywhere

The future of transportation is electric. How will you charge it?

Count on Eaton innovations to electrify your car, truck or fleet anywhere you need. Our charging solutions support flexible energy systems and intelligently integrate onsite energy resources — so you can optimize charging speed, sustainability and cost-effectiveness.
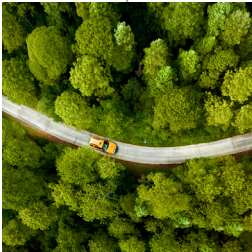
Scalable
Flexible solutions to accelarate installations

Connected
Monitor and manage energy usage

Smart
Digital technology enabling smart energy decisions and control

Green Motion EV Smart Breaker Chargers

Create new possibilities with smart charging

Transportation is electrifying, but you don't need to pay a premium on your electric bill or change your driving habits. Intelligent, fast and cost-effective charging is here.

Enter Green Motion EV smart breaker chargers—delivering a fast AC charge, powered by smart breakers for residential, commercial and fleet applications. Eaton chargers create new possibilities through real-time energy insights and integration with onsite renewables and energy storage systems. Leverage our industry-first technology to advance smart, sustainable energy systems to power today and tomorrow.

Features

- Fast AC Level 2 charging at 7.7 kW, 240 Vac
- Charges up to 10 electric vehicles (EV's) with Pow-R-Line 3X panelboard or up to 18 EVs with the Eaton integrated facility switchboard (IFS)
- Multipe installation options offer flexibility and efficiency
- Lower cost of maintenance as compared to traditional EV chargers
- Real-time and remote access allows you to optimize charging times and take part in smart grid programs
- Control the rate of charge to manage peak loads
- Gain real-time insights through revenue-grade metering accuracy
- Set charging times to reduce costs with the Brightlayer Home app
- Open Charge Point Protocol (OCPP) 1.6J certification enables integration with your preferred charge management solution

Green Motion EV Smart Breaker Chargers

Direct connect kit

Is your power source near your charging site? Our Green Motion EV smart breaker chargers can install directly into Eaton BR loadcenters or Pow-R-Line 3X panelboards.

The direct connect kit includes:
- 7.7 kW EV smart breaker charger
- J1772 EV connector and 25-foot cord
- Cord management bracket

CATALOG INFORMATION
GMEV32BAB-DC • EV direct connect kit 32 A, BAB bolt-on 2P 40 A
GMEV32BR-DC • EV direct connect kit 32 A, BR plug-on 2P 40 A

Direct connect + junction box kit

Will your EV be parked more than 25-feet away from the loadcenter or panelboard? If so, you'll need the direct connect + junction box kit (junction box can be up to 250 feet away from the loadcenter or panelboard).

The direct connect + junction box kit includes:
- 7.7kW EV smart breaker charger
- J1772 EV connector and 25-foot cord
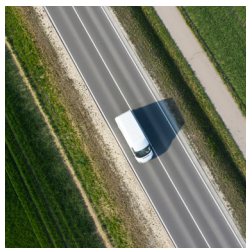- Junction box
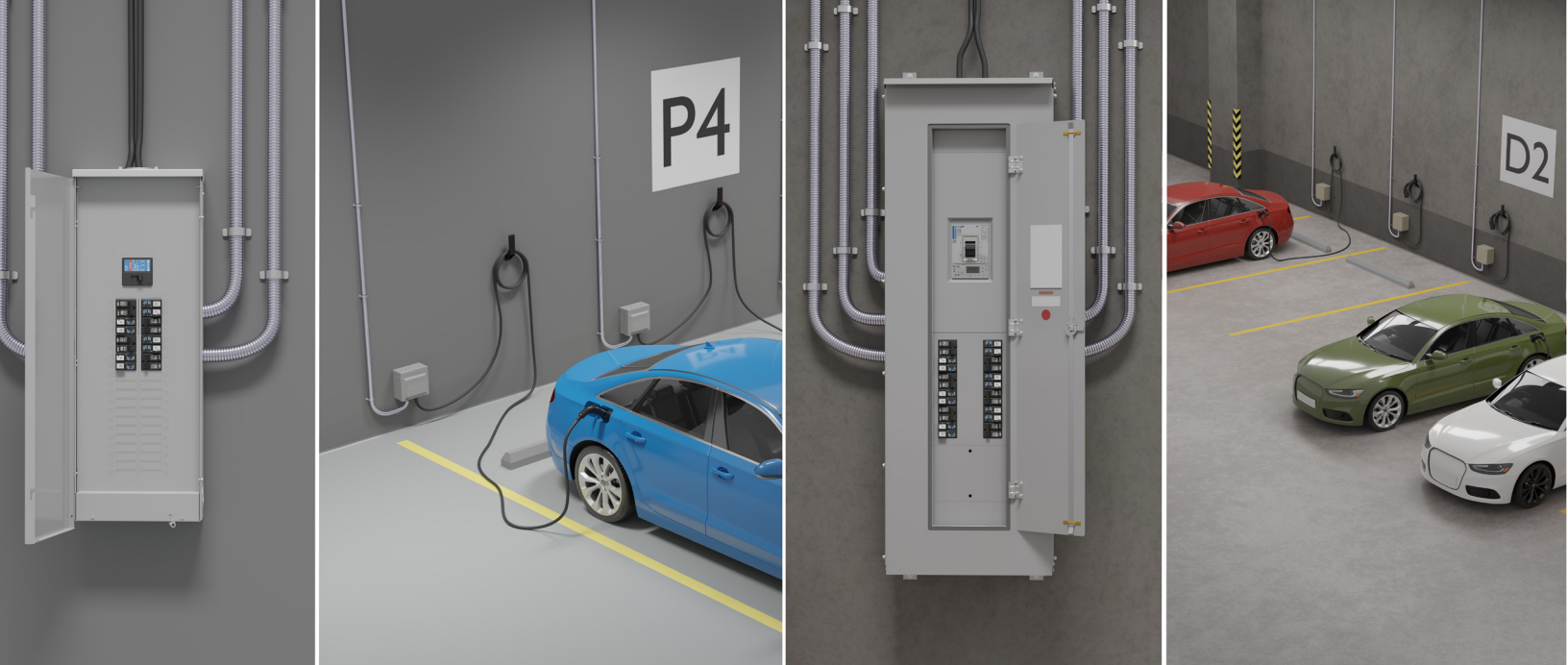- Cord management bracket

CATALOG INFORMATION
GMEV32BAB-JB • EV junction box kit 32 A, BAB bolt-on 2P 40 A
GMEV32BR-JB • EV junction box kit 32 A, BR plug-on 2P 40 A

Green Motion EV Smart Breaker Chargers

EV loadcenter

When you need to charge up to five EVs, our Green Motion EV multi-charge system enables fast, convenient charging in a circuit breaker form factor that installs directly into the BR loadcenter.

AS-SHOWN SOLUTION

4x GMEV32BR-JB
- 7.7 kW EV smart breaker charger
- J1772 EV connector and 25-foot cord
- Junction box
- Cord management bracket

1x BRP40B200R
- BR PON loadcenter, 200 A, main breaker, 40 space, N3R

For more configuration options scan for Eaton's loadcenter compatibility chart

EV panelboard and switchboard

How will you support EV charging for multiple charge points? Whether you're enabling charging for a multi-family dwelling, commercial application, educational campus or a parking garage, Eaton provides the EV panel you need to address your charging application and all the necessary power distribution equipment to support it. Rated for both indoor and outdoor applications, the Eaton Pow-R-Line 3X panelboard supports up to 10 EV chargers and the IFS supports up to 18 EV chargers.

Features
- Fast AC Level 2 charging at 7.7 kW, 240 Vac
- Highly scalable solution: adding new EV chargers is as easy as adding a new circuit breaker
- Restricted access to the EV panel protects against vandalism
- Remotely monitor EV chargers, manage access to users and control the rate of charge (load management) to make sure total service capacity is never breached
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Junction box with J1772 EV connector and cord can be up to 250' away from the panelboard/IFS

Green Motion EV Smart Breaker Chargers

EV wall charger, hardwired

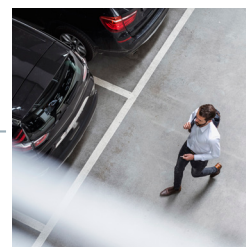The EV wall charger installs in both indoor and outdoor settings.

This kit includes:
- 7.7 kW EV smart breaker charger
- J1772 EV connector and 25-foot cord
- Built-in cord management

CATALOG INFORMATION
GMEV32BR-WC
• EV wall charger (hardwired) 32 A, BR 2P 40 A

EV wall charger with plug

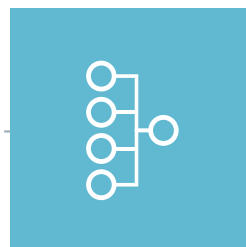Simple installation in both indoor and outdoor settings with 240 V receptacle.

This kit includes:
- 7.7 kW EV smart breaker charger
- J1772 EV connector and 25-foot cord
- Built-in cord management

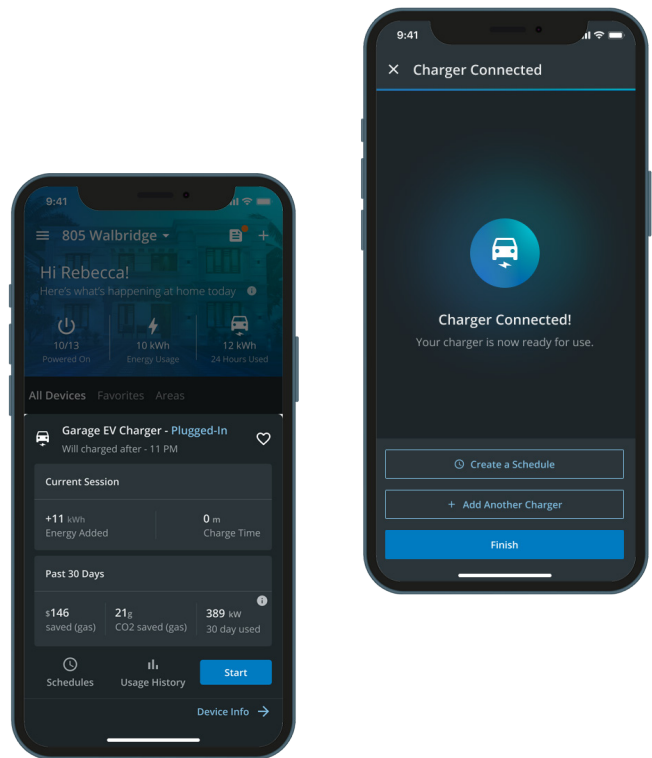| CATALOG INFORMATION |
| --- |
| **GMEV32BR-WCPL** |
| • EV wall charger plug-in (plugs into a 240 V receptacle, not included) 32 A, BR 2P 40 A |

Green Motion EV Smart Breaker Chargers

Accessories

Get what you need to customize and optimize your Green Motion EV charger installation:

CATALOG INFORMATION	
	EVCC-LED Replacement J1772 EV connector and 25-foot cord and cord management bracket
	EVCC-LED-JB Replacement J1772 EV connector and 25-foot cord, cord management bracket and junction box
	BABEVEM2040 (BAB bolt-on 2P 40 A) **BREVEM2040 (BR plug-on 2P 40 A)** Replacement EV smart breaker charger
	GMEV32HSTR-BKR Premium cord holster for all applications
	EVCC-JB-CLGKIT Overhead EV charger cord management ceiling kit for residential garages and commercial parking lots

Eaton's mobile application

Eaton's Brightlayer Home app will help you track energy usage from anywhere, manage chargers and save on energy costs by taking advantage of off-peak charging rates. Download the app on iOS and Google Play stores to receive notifications on charging status, power outages, ground fault conditions and more.

Green Motion Building

Fast AC charging for passenger vehicles

Most charging will take place where people park their cars — at school, work, shopping and in nearly every commercial setting, that's where Eaton Green Motion Building comes in.

Features

- AC Level 2 charging at 9.6 kW, 240 Vac
- Dynamic load management with ability to throttle charging rate, minimizing or avoiding infrastructure upgrades
- Gain real-time insights through energy metering and Wi-Fi, Ethernet and cellular
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Secure access for authorized users through QR codes and RFID
- Support an easy and intuitive charging experience with a 4.3" LCD display
- Outdoor-rated enclosure with flexible installations including wall mount, single- or dual-pedestal mount
- ISO 15118 hardware support with select catalog numbers

CATALOG INFORMATION	
GMEV40CME1B-WC • 9.6 kW AC Level 2 wall charger • J1172 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Wi-Fi, Ethernet	**GMEV40CIE1B-WC** • 9.6 kW AC Level 2 wall charger • J1772 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Wi-Fi, Ethernet
GMEV40CMC1B-WC • 9.6 kW AC Level 2 wall charger • J1172 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Ethernet; cellular	**GMEV40CIC1B-WC** • 9.6 kW AC Level 2 wall charger • J1772 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Ethernet; cellular

Green Motion Building Pro

Fast AC charging for passenger vehicles and commercial vehicles

Smart, fast charging for vehicles in commercial and destination locations.

Features

- AC Level 2 charging at 11.5 kW, 240 Vac with adjustable output between 32 A, 40 A and 48 A based on infrastructure capacity
- Dynamic load management with ability to throttle charging rate, minimizing or avoiding infrastructure upgrades
- Gain real-time insights through energy metering and Wi-Fi, Ethernet and cellular
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Secure access for authorized users through QR codes and RFID
- Support an easy and intuitive charging experience with a 5" LCD touchscreen display
- Outdoor-rated enclosure with flexible installations including wall mount, single- or dual-pedestal mount

CATALOG INFORMATION
GMEV48CME1-WC • 11.5 kW AC Level 2 wall charger • J1772 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Wi-Fi, Ethernet
GMEV48CMC1-WC* • 11.5 kW AC Level 2 wall charger • J1772 EV connector and 25-foot cord • Premium cord holster • Mounting option: wall or pedestal • Connectivity: Wi-Fi, Ethernet, cellular *Obsolete. Replacement is GMEV48CMC1-WC

Green Motion Fleet

Ensure timely delivery

Energize your fleet to hit the road—quickly, cost-effectively and sustainably. With Eaton Green Motion Fleet chargers, you can enable efficient deployment and charging of last mile delivery vehicles, light and medium-duty trucks and school buses.

Features

- AC Level 2 charging at 19.2 kW, 240 Vac
- Dynamic load management with ability to throttle charging rate, minimizing or avoiding infrastructure upgrades
- Gain real-time insights through energy metering and Wi-Fi, Ethernet and cellular
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Secure access for authorized users through QR codes and RFID
- Support an easy and intuitive charging experience with a 4.3" LCD display
- Outdoor-rated enclosure with flexible installations including wall mount, single- or dual-pedestal mount
- ISO 15118 hardware support with select catalog numbers

CATALOG INFORMATION

GMEV80CME1B-WC
- 19.2 kW AC Level 2 wall charger
- J1172 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Wi-Fi, Ethernet

GMEV80CIE1B-WC
- 19.2 kW AC Level 2 wall charger
- ISO 15118 support
- J1772 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Wi-Fi, Ethernet

GMEV80CMC1B-WC
- 19.2kW AC Level 2 wall charger
- J1172 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Ethernet, cellular

GMEV80CIC1B-WC
- 19.2kW AC Level 2 wall charger
- ISO 15118 support
- J1772 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Ethernet, cellular

Green Motion Fleet Pro

High-power fleet depot and industrial charging

Enable cost-effective deployment and operation of EV charging infrastructure to charge last mile delivery vehicles, light/medium-duty trucks and school buses. The robust metal enclosure is designed for maximum durability in industrial settings.

Features

- AC Level 2 charging at 19.2 kW, 240 Vac with adjustable output between 32A, 40A, 48A, 64A and 80A
- Dynamic load management with ability to throttle charging rate, minimizing or avoiding infrastructure upgrades
- Gain real-time insights through energy metering and Wi-Fi, Ethernet and cellular
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Secure access for authorized users through RFID cards
- Support an easy and intuitive charging experience with a 5" LCD touchscreen display
- Outdoor-rated enclosure with flexible installations including wall mount, single- or dual-pedestal mount
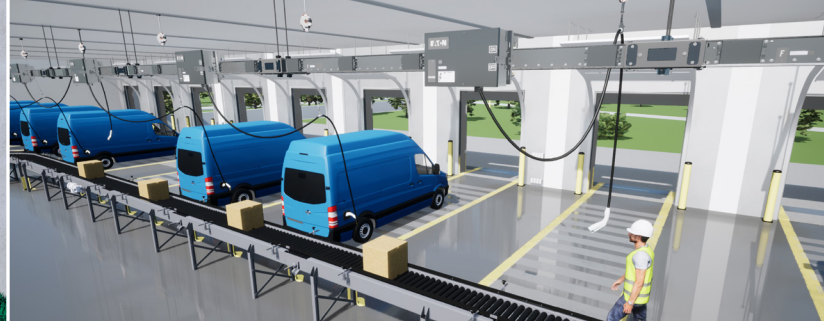
CATALOG INFORMATION

GMEV80CME1-WC
- 19.2 kW AC Level 2 wall charger
- J1772 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Wi-Fi, Ethernet

GMEV80CMC1-WC
- 19.2 kW AC Level 2 wall charger
- J1772 EV connector and 25-foot cord
- Premium cord holster
- Mounting option: wall or pedestal
- Connectivity: Wi-Fi, Ethernet, cellular

Universal single and dual pedestals

Get the option you need

Features
- Powder-coated stainless steel for durability, heavy-duty, 14 gauge
- NEMA 3R rated
- For use with GMEV32BR-WC, GMEV40CME1B-WC, GMEV40CMC1B-WC, GMEV40CIE1B-WC, GMEV40CIC1B-WC, GMEV48CME1-WC, GMEV48CMC1-WC, GMEV80CME1B-WC GMEV80CMC1B-WC, GMEV80CIE1B-WC, GMEV80CIC1B-WC, GMEV80CME1-WC, GMEV80CMC1-WC (charging stations sold separately)

CATALOG INFORMATION

EV single port pedestal: (1) GMEV-PED*
- Requires (1) charging station sold separately

*Obsolete. Replacement is GMEV-DPED

EV dual port pedestal: (1) GMEV-DPED
- Requires (2) charging station(s) sold separately

EV Charging Busway

This fast and flexible charging solution is designed for last mile delivery, fleet and industrial applications. EV charging busway provides overhead chargers with cable management, supporting passenger vehicles and medium-duty trucks. The busway-based technology enables scalable, flexible charging with easy installation, service and the ability to quickly add more chargers or reconfigure chargers as your EV needs evolve.

Features
- 19.2 kW at 240 Vac (80 A) with integrated 100 A circuit breaker
- Overhead charging solution that avoids conduits and trenching
- Prevent disruption to existing parking and conveyor structures, reduce obstacles on the ground level.
- Dynamic load management with ability to throttle charging rate, minimizing or avoiding infrastructure upgrades
- OCPP 1.6J certification enables integration with your preferred charge management solution
- Ethernet and cellular connectivity
- ENERGY STAR® certification means our chargers help you save energy
- SAE J1772 EV connector and 25-foot cord
- Retractor based overhead cable management

Charging Network Manager software

Build a robust, secure and optimized EV charging ecosystem

Whether you're managing a fleet, residential properties or commercial facilities, you need a platform to oversee and optimize infrastructure. Charging Network Manager software delivers breakout capabilities that make it easy to deploy, manage, monetize and maximize your EV charging network.

Simplify deployment
- Out-of-the-box commissioning
- Add or modify charging stations easily
- Seamless, secure software and hardware integration
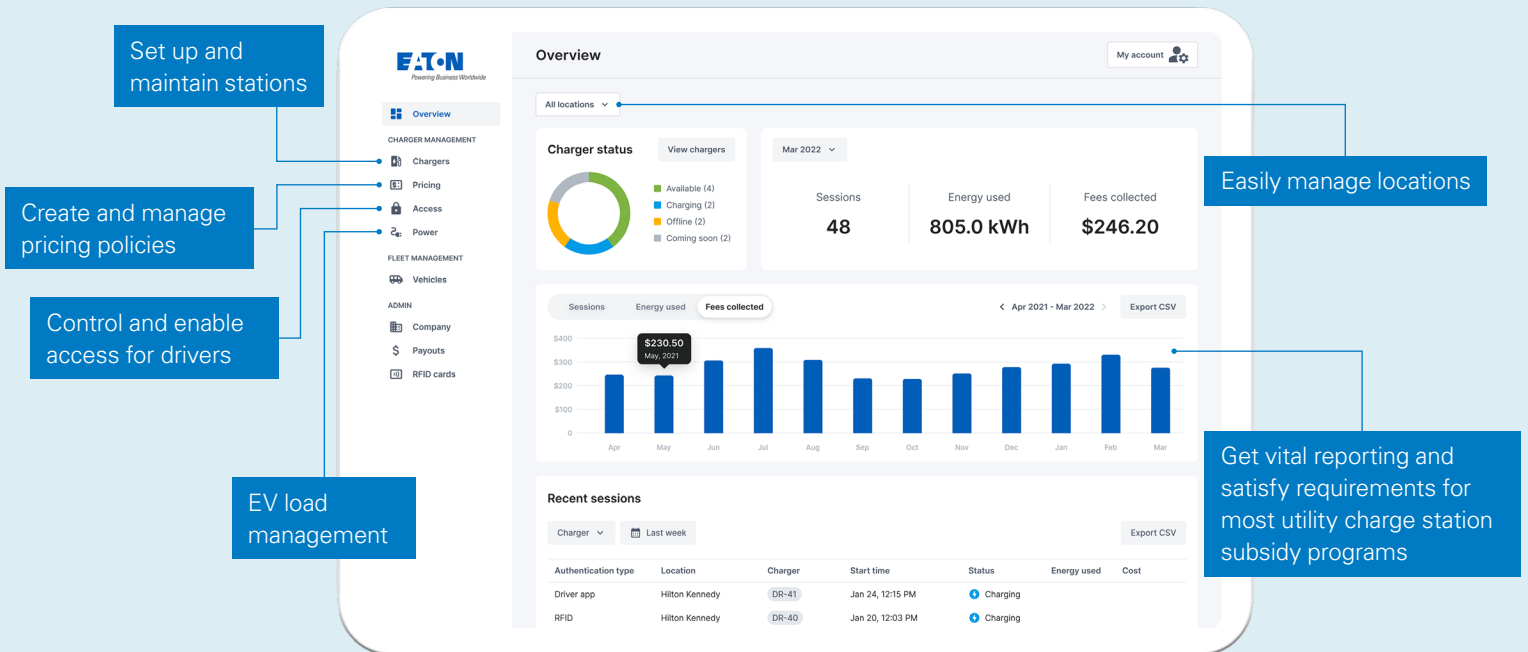- Integrate any Open Charge Point Protocol (OCPP) compliant hardware

Optimize EV charging infrastructure
- Monitor, manage and troubleshoot charging infrastructure
- Use load management to minimize infrastructure investments
- Support drivers with ready access via mobile phone or RFID card
- Facilitate participation in utility demand response and subsidy programs
- Simplify reporting to meet federal funding requirements

Monetize charging
- Establish pricing policies based on flat rate, time and other common policies
- Securely collect payments from drivers without personal or site-specific accounts
- Differentiate pricing between driver groups

Simplify management with a dashboard view

Set up and maintain stations

Create and manage pricing policies

Control and enable access for drivers

EV load management

Easily manage locations

Get vital reporting and satisfy requirements for most utility charge station subsidy programs

Breakout load management makes the most of available infrastructure

Load management stretches the potential of existing electric systems—enabling more chargers and a better experience for drivers. Infrastructure upgrades take time and capital. Charging Network Manager software helps bridge the gap, so you can maximize the number of chargers available and optimize power, given the constraints of your available power supply.

Manage the inevitable need for more electricity with Charging Network Manager
- Dynamic and static load management takes advantage of service capacity
- Install more EV chargers than your infrastructure can otherwise support
- Save money by mitigating peak demand charges
- Support the fastest possible charge across your network
- Delay or avoid infrastructure upgrades

Load management methodology comparison

TECHNOLOGY	TECHNOLOGY	ADVANTAGES	WHERE USED
EV load leveling	Dynamic	• Allows for reduced infrastructure cost • Can be accomplished with current cloud-based systems	Multifamily Workplace Commercial Fleet
Adaptive EV load management	Dynamic	• Allows for reduced infrastructure cost • Can be accomplished with current cloud-based systems • Potential better customer experience	Multifamily Workplace Commercial Fleet
Site responsive EV load management	Dynamic	• Provides close to real time active adjustments of EV charging • Makes good use of available capacity for existing systems	Large EV charging deployments Existing buildings with excess capacity

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