

Eaton Green Motion EV chargers  
Level 2 AC charging

# Bring on the electric revolution



Visit [Eaton.com/evchargers](https://www.eaton.com/evchargers)

**EATON**

*Powering Business Worldwide*

## 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 <sup>1</sup>	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	
	Metering accuracy	± 0.2%	± 0.2%	± 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
	Connector and cord	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 <sup>2</sup>	QR code	QR code	QR code & RFID	QR code & RFID	QR code & RFID	QR code & RFID	QR code
	Payment capabilities <sup>2</sup>	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	- <sup>3</sup>	Yes	- <sup>3</sup>	-
	OCPD 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 <sup>4</sup>	-	-	Yes	Yes	Yes	Yes	
	Fleet depot	-	-	-	-	Yes	Yes	Yes

<sup>1</sup> Install up to six EV smart breaker chargers

<sup>2</sup> QR code, RFID card, and Mobile app provided by EV software provider

<sup>3</sup> CTEP compliance: Building Pro and Fleet Pro will have CTEP compliance post launch

<sup>4</sup> 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.



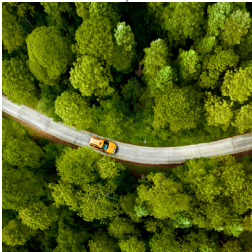
**Scalable**  
Flexible solutions to accelerate installations



**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 6 electric vehicles (EV's) with Pow-R-Line 3X panelboard or up to 20 EVs with the Eaton integrated facility switchboard (IFS)
- Multiple 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 Green Motion EV Charger Manager 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 150 feet away from the loadcenter or panelboard).

#### The direct connect + junction box kit includes:

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

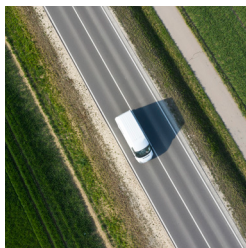
#### CATALOG INFORMATION

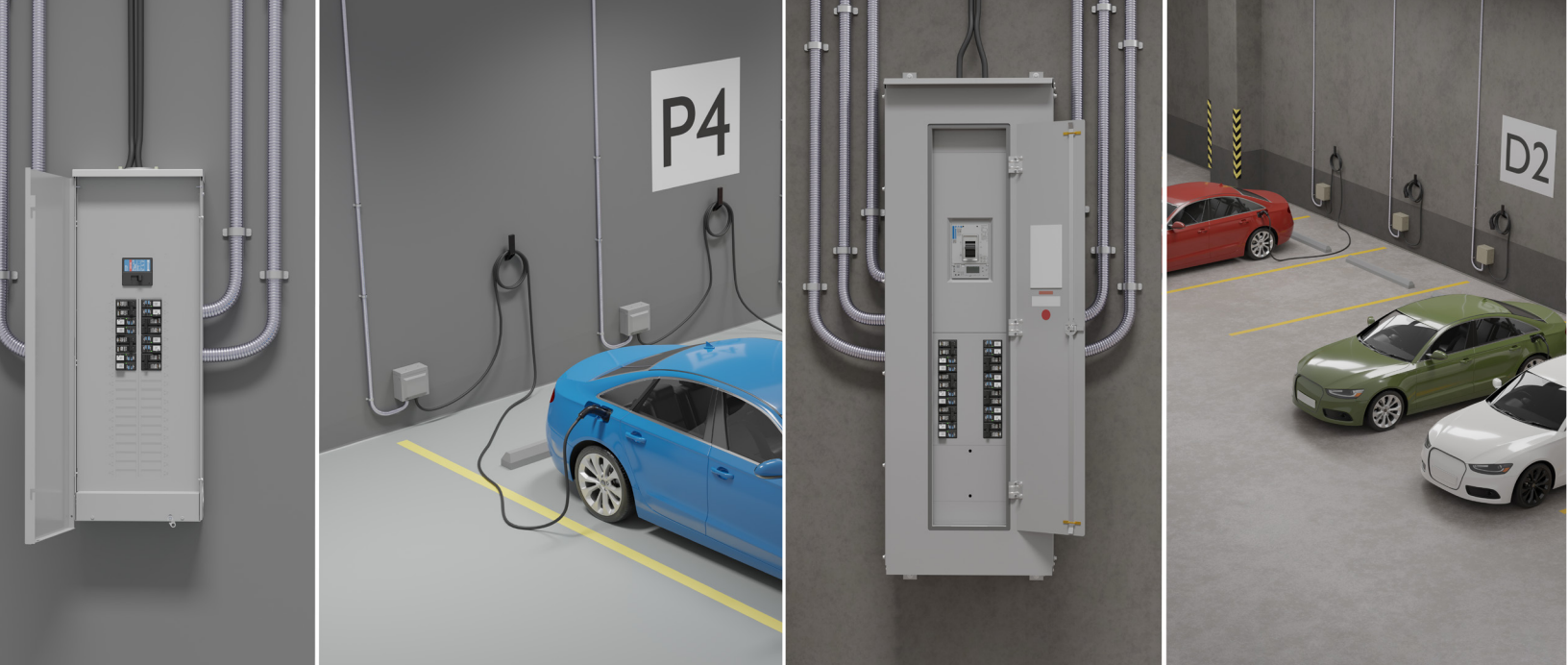
##### GMEV32BAB-JB

- 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

### 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 six EV chargers and the IFS supports up to 20 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



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



## 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.

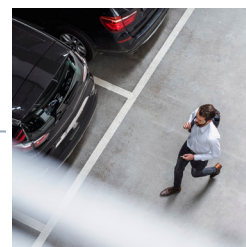
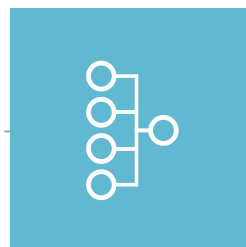
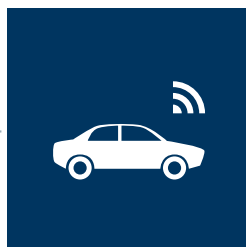
**This kit includes:**

- 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:

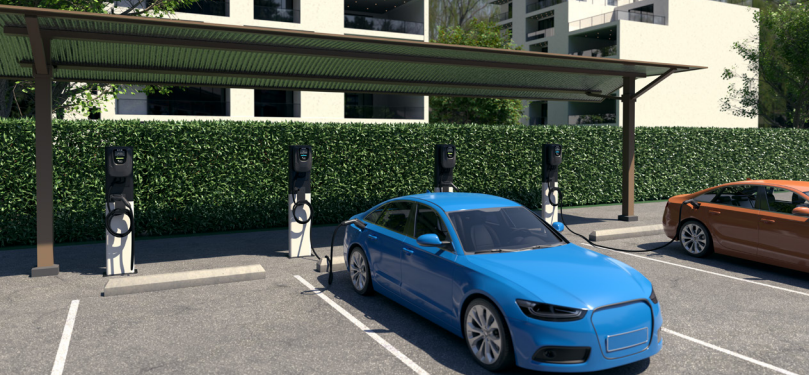
CATALOG INFORMATION	
	<p><b>EVCC-LED</b> Replacement J1772 EV connector and 25-foot cord and cord management bracket</p>
	<p><b>EVCC-LED-JB</b> Replacement J1772 EV connector and 25-foot cord, cord management bracket and junction box</p>
	<p><b>BABEVEM2040 (BAB bolt-on 2P 40 A)</b> <b>BREVEM2040 (BR plug-on 2P 40 A)</b> Replacement EV smart breaker charger</p>
	<p><b>GMEV32HSTR-BKR</b> Premium cord holster for all applications</p>

## Eaton's mobile application



Eaton's Green Motion EV Charger Manager 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

#### 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

##### 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

## 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



## 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

#### 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

##### 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

## 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
- 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, GMEV48CME1-WC, GMEV48CMC1-WC, GMEV80CME1B-WC, GMEV80CMC1B-WC, GMEV80CME1-WC, GMEV80CMC1-WC (charging stations sold separately)

### CATALOG INFORMATION

#### EV single port pedestal: (1) GMEV-PED

- Requires (1) charging station sold separately

#### EV dual port pedestal: (1) GMEV-DPED

- Requires (2) charging station(s) sold separately

## Green Motion 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 100A 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





**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

© 2022 Eaton  
All Rights Reserved  
BR191009EN/wB (Rev. 02)  
December 2022

Eaton is a registered trademark.  
All other trademarks are property  
of their respective owners.

Follow us on social media to get the  
latest product and support information.

