Eaton Green Motion EV smart breaker charger

Eaton Green Motion EV smart breaker charger combines fast AC charging at 7.7kW, revenue-grade metering, and remote access. This forward-thinking solution provides additional versatility with multiple installation options that install directly into BR loadcenters or PRL3X panelboards for maximum flexibility. Monitor and control charging with our mobile app and open APIs.

Speed and control

- Fast AC charging at 7.7kW, 240Vac
- Revenue-grade metering accuracy (±0.2% per ANSI C12.20).
- Real-time and remote access allows you to optimize charging times and take part in smart grid programs.

Stay connected and customize

- Set charging schedules to optimize costs, receive alerts and notifications with the EV Driver app.
- Powered by our Brightlayer platform enables integration with your preferred charge management solution.

Energy savings and efficiency

- ENERGY STAR® certification ensures maximum energy efficiency and savings.
- Simply control rate of charge to not incur higher costs during peak rate periods.
- Efficient and simple installation in BR loadcenters and PRL3X panelboards enabled by a circuit breaker form factor.

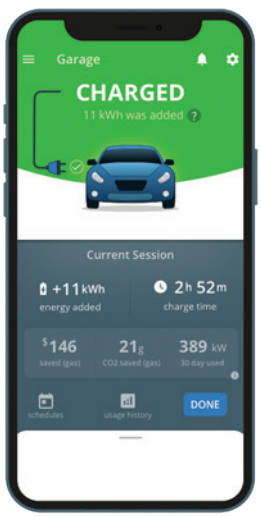
Powering Business Worldwide

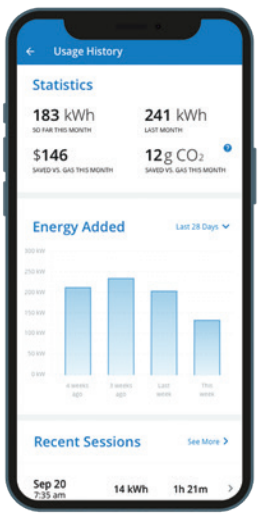
Technical Specification

Input Electrical Ratings	• Voltage: Single Phase, 208-240Vac, 60Hz • Breaker rating: 40A • Power: 7.7kW at 240Vac; 6.6kW at 208Vac
Output Electrical Ratings	• Voltage: 208-240Vac, 60Hz • Current: 32A • Power: 7.7kW at 240Vac; 6.6kW at 208Vac
Wiring Options	• Hardwire
Output Cable	• 25' Cable • J1772 Compliant connector
Metering	• 0.2% accurate revenue grade metering tested to ANSI C12.20
Operating Temperature	• –30°C to +40 °C
LED Indicator	• RGB (Red, Green, Blue) LEDs to indicate charger status and fault condition on the EV Connector.
Wireless Connectivity	• IEEE 802.11 b/g/n 2.4 GHz Wi-Fi
Cybersecurity	• Tested per cybersecurity guidelines endorsed by UL and IEC
Firmware Features	• Open platform with support for OCPP (Open Charge Point Protocol) 1.6J • 4MB of local data storage to limit the possibility of data loss • Over-the-air (OTA) firmware updates
Enclosure	• Installs in BR loadcenter (GMEV32BR- DC, GMEV32BR-JB) or PRL3X panelboard (GMEV32BAB-DC, GMEV32BAB-JB)
Weight	• Direct connect kit (GMEV32BAB-DC, GMEV32BR-DC): 9.7 lbs. • Direct connect + junction box kit (GMEV32BAB-JB, GMEV32BR-JB): 14.7 lbs.
Certifications	• Safety: UL, CSA, NFPA Article 625 • SAE J1772 2010 Ed. • FCC Compliant, Part 15 • Energy Star • ANSI C12.20
Warranty	• 3 years

Get started by downloading Eaton's Green Motion EV Charger Manager app available on iOS and Google Play stores.

Save on energy costs and minimize CO2 impact with simple app control:





- Easily commission charger and connect to Wi-Fi
- Monitor and control charging status from anywhere
- Track energy usage with real-time statistics and insights
- Schedule charging based on Time of Use rates (TOU) to reduce costs
- Receive notifications on charging status, power outage, and ground fault
- Advanced options to limit the charge speed (6A minimum)
- Manage multiple chargers and cap a charging session

Download on the App Store

GET IT ON Google Play

Direct connect kit options

CATALOG & DESCRIPTION

GMEV32BAB-DC
Installs in a PRL3X panelboard

- 7.7kW EV smart breaker charger, 32A, BAB bolt-on 2P 40A
- J1772 EV connector and 25 ft. cordset
- Cord management bracket

GMEV32BR-DC
Installs in a BR loadcenter

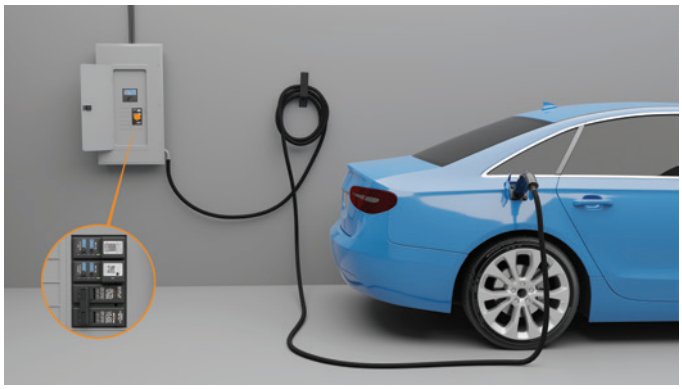
- 7.7kW EV smart breaker charger, 32A, BR plug-on 2P 40A
- J1772 EV connector and 25 ft. cordset
- Cord management bracket

GMEV32BAB-JB
Installs in a PRL3X panelboard

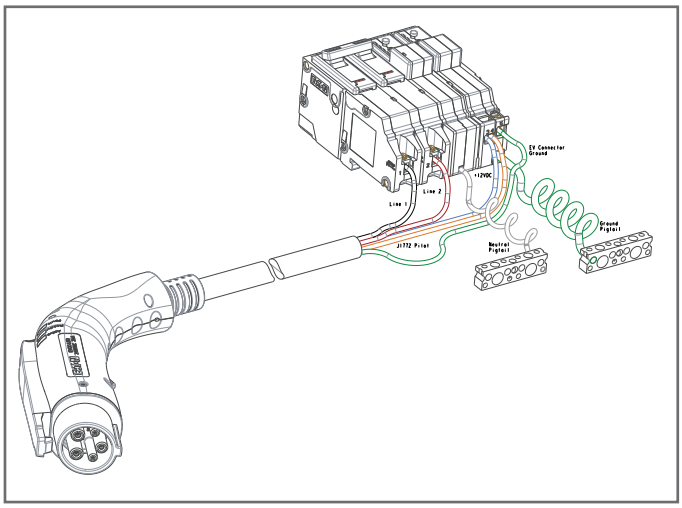
- Junction box
- 7.7kW EV smart breaker charger, 32A, BAB plug-on 2P 40A
- J1772 EV connector and 25 ft. cordset
- Cord management bracket

GMEV32BR-JB
Installs in a BR loadcenter

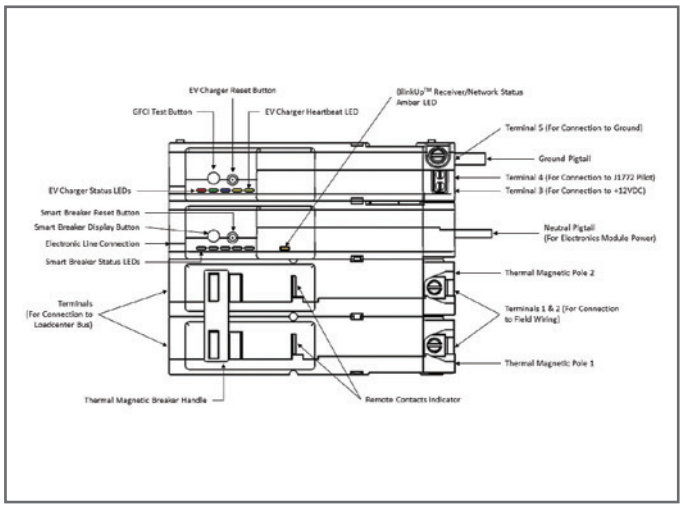
- Junction box
- 7.7kW EV smart breaker charger, 32A, BR plug-on 2P 40A
- J1772 EV connector and 25 ft. cordset
- Cord management bracket



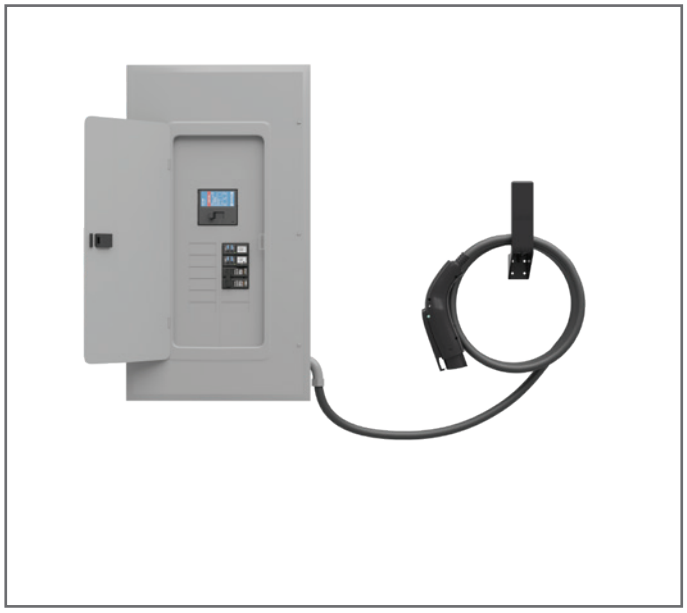
Product dimensions



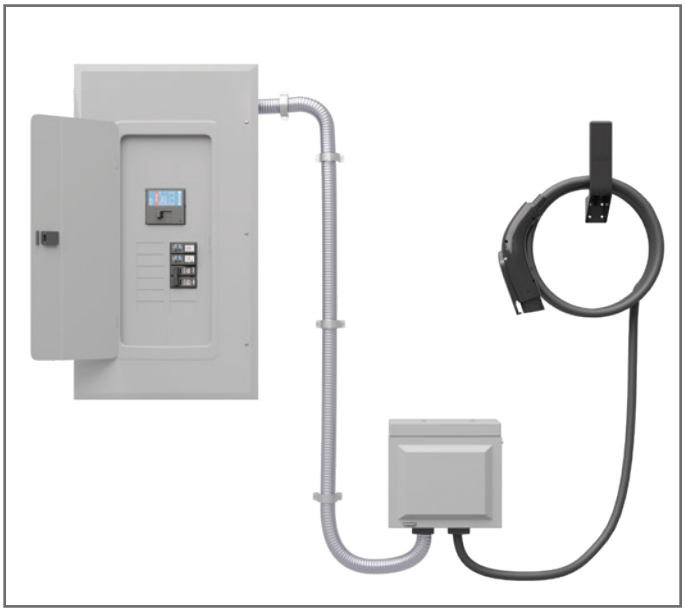
EV smart breaker charger and EV connector



EV smart breaker charger diagram

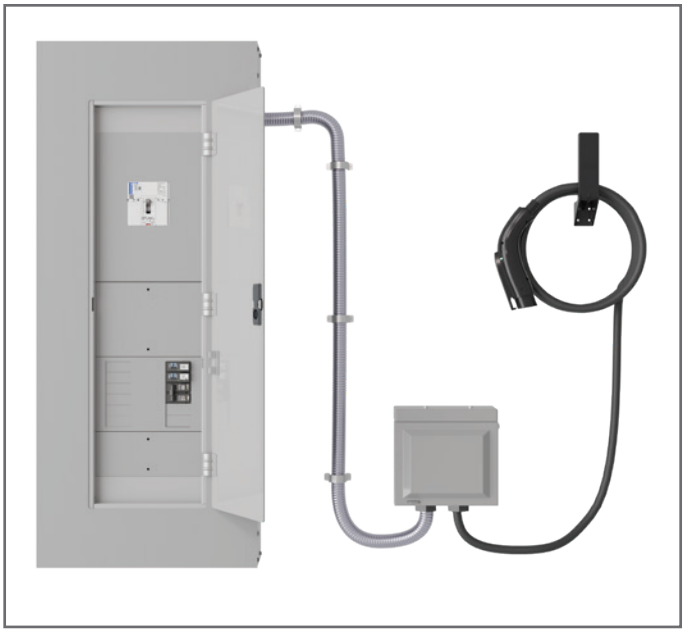


Direct connect kit, plug-on (GMEV32BR-DC)



Direct connect + junction box kit, plug-on (GMEV32BR-JB)

Direct connect kit, bolt-on (GMEV32BAB-DC)



Direct connect + junction box kit, bolt-on (GMEV32BAB-JB)

Contact the Eaton Technical Resource Center at 1-877-ETN-CARE (386-2273) option 2, option 9 for further assistance.

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Printed in USA
Publication number: TD003017EN
March 2023

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