

EV Charger Load Management

An Eaton Solution for any under rated home panel

Building EV ready

Count on a
trusted partner



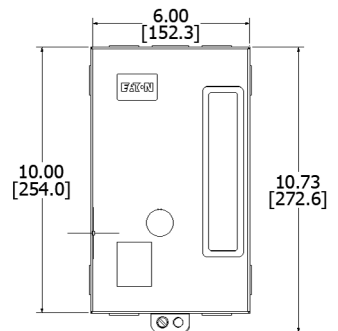
Application for 1 or 2 load management panel.



The surge in electric vehicle (EV) ownership is a commitment to sustainability. However, for homeowners looking to install EV chargers, there is a common challenge: navigating the constraints of a one hundred Amp electrical service. Eaton has practical solutions by incorporating a load management panel.

Load management offers benefits for EV charging in your home. First, it allows for the safe operation of your EV charger without overloading your electrical system. Second, it is a practical alternative to upgrading. Special when upgrading your service is not possible or practical-whether due to higher costs, building constraints, or limited availability in your neighborhood.

Installing an EV charger in your home does not have to be a daunting task. With load management, you can safely and efficiently power your EV charger without the need for costly and complex electrical upgrades. If you are considering installing an EV charger in your home, do not let your service hold you back. Check with an electrician to understand what type of EV charging your home electrical panel can support. And whatever charger you select, collaborate with a trusted electrician to install it safely.



Reach out [Eaton's certified electrical contractor network](#) to find an electrician near you.



Powering Business Worldwide

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This guide is to help you with your choice of an EV load management charging for a 100- and 200-Amp home panels.

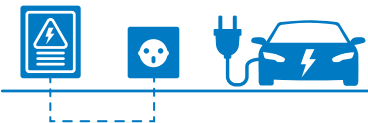
Typical EVSE requirements

EV capable



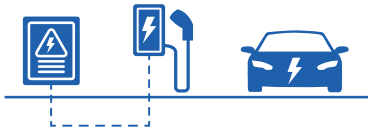
Electrical panel with 40A, 208/240V circuit and conduit

EV ready



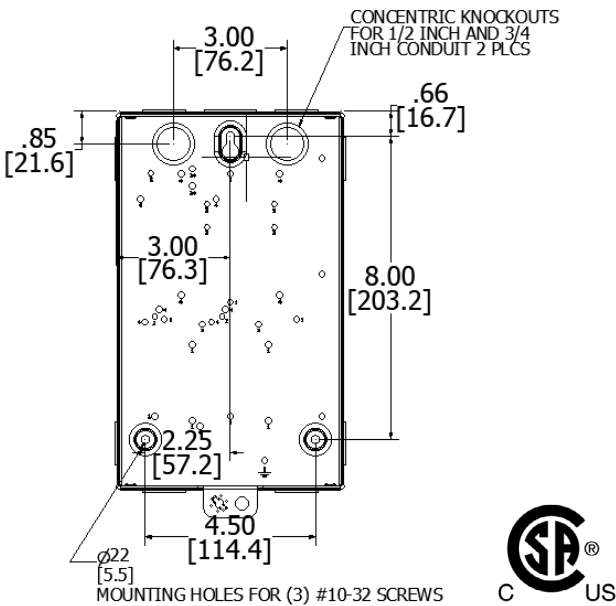
EV capable plus circuit protection and receptacle for charging

EV install



Fully installed EVSE ready to charge

When insufficient, Eaton Load Management System allows the electric vehicle to charge quickly when the electrical panel capability is sufficient. In the case of a large draw of power from other electrical devices in your household, the Eaton Load Management system automatically stops supplying power to the electric vehicle (EV) charger for a brief period and re-energize when capacity is available. To provide more flexibility, Eaton offers load management capabilities with its Plug and Play offering. So, for a complete unit you need two parts, a base EPPXT05D1 and a load management kit. The LMEZKIT1 second load management kit can only be use with an Easy E4 configurable assembly.



Catalog Numbers

Base	Description
EPPXT05D1	50 amps Enclosed unit

Control kit type	Description
LMTIMER80	Timer base kit unit for a 100 amps panel set to 80 amps
LMTIMER160	Timer base kit unit for a 200 amps panel set to 160 amps
LMEZ80	Easy E4 configurable kit pre-set for a 100 amps panel
LMEZ160	Easy E4 configurable kit pre-set for a 200 amps panel

Second Load kit Description	
LMEZKIT1	Second load management panel use with the Easy E4 units

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Printed in Canada
Publication number: BR003066EN
July 2024