variablegrid
charge smarter

varianHOME

ENERGY MANAGEMENT FOR SAFE AND RELIABLE EV CHARGING AT HOME

85%
of EV owners live in single-family homes

Single-Family Residential

Our patented **VarianHOME** EV Energy Management System allows the addition of 1 to 4 EV Chargers to an existing home electrical panel without the need for a costly service upgrade.

VarianHOME can be paired with our pre-configured VarianR40 Level 2 Charger for quick and easy setup.

An optional Internet connection allows EV charging to be monitored and controlled remotely.

VarianR40 Level 2 Charger

- Front cover LED with charging status
- Configurable maximum 32A or 40A charging rates
- Ethernet and Wi-Fi connectivity
- OCPP 1.6 compliant
- IP65 and IK08 rated for indoor or outdoor use
- Integrated cable storage and docking port

HEAVY-DUTY 25-FOOT J1772 CHARGING CABLE

Features and Benefits

Installs Directly onto an Existing Electrical Panel
• Avoid the cost of an expensive service upgrade

Easy Installation
• Install 2 provided load sensors into the panel and connect to VarianHOME

Manages Multiple EV Chargers
• Charge up to 4 EVs simultaneously

Supports Multiple Circuit Breakers
• Charge faster by wiring multiple chargers to 2 circuit breakers

Safely Allocates Available Power 24/7
• Charge at up to 40 amps*1 whenever the panel has 8 or more amps available
• Avoid harsh on/off switching of EV Chargers

Time-of-Use Pricing
• Avoid charging during peak pricing periods
• Easy one-button override resumes charging immediately

Free Driver Mobile App (Coming December, 2023)
• Monitor and control EV charging remotely from a phone
• Limit the range delivered during a charge to extend battery life

*Note*1 Requires 50A circuit breaker*
*Note*2 Check with your dealer to confirm compliance before purchase*

Specifications

Load Sensors
Two 200A CT coils

Status LEDs
L1 Sensor, L2 Sensor, Wi-Fi, Internet, Mobile App, Controller, EV Chargers, Power

Load sensing LEDs
L1, L2

Power Supply
External adapter, input 120V 50/60Hz, output 5V DC 2.0A

Location
Adjacent to service panel, NEMA 1 rated for indoor use

Ambient Operating
-40C to +50C

Certification
CSA (Canada and US)

Dimensions
5.5 x 5.25 x 1.75 in

Weight
0.8 lbs

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