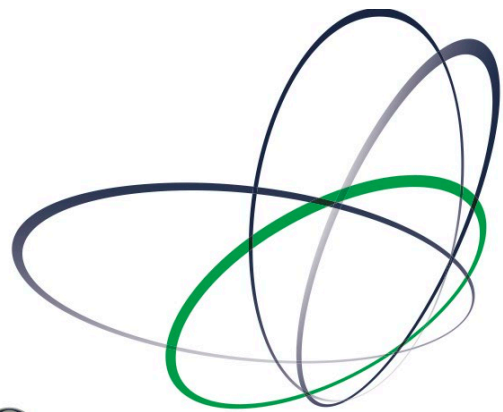
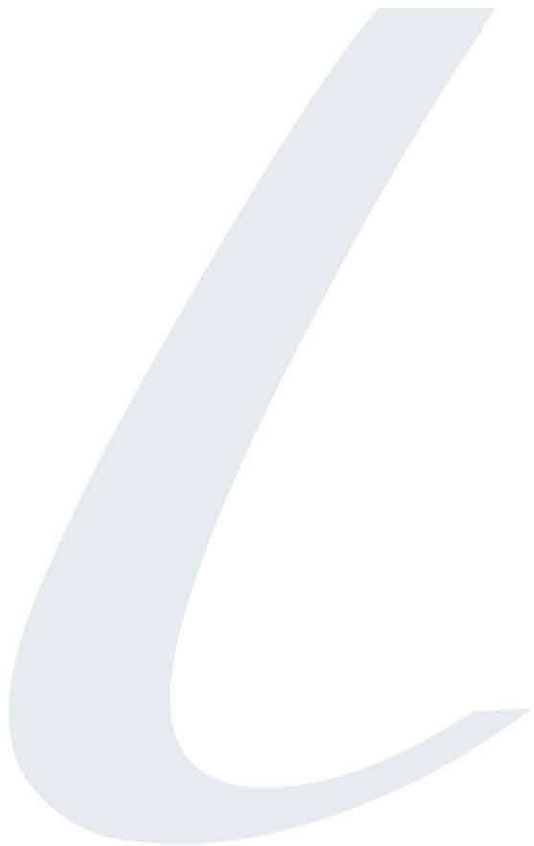


EVCMC-1B-60A

ELECTRIC VEHICLE ENERGY MANAGEMENT SYSTEM



 **i-meter**[®]
Innovative Metering Systems

EVCMC-1B-60A Electric Vehicle Energy Management System



PAT. NO. 10.486.539



The **EVCMC-1B-60** is an energy management system specifically designed to allow the connection of an EV charger to a panel that is at full capacity and would otherwise need a service upgrade.

OPERATION

- Real-time reading of the total power consumption of the home's electrical panel;
- Detects when total power consumption exceeds 80% of main circuit breaker capacity and temporarily de-energizes the EV charger;
- Automatically re-energize the EV charger when the total power consumption of the electrical panel is less than 80% of its capacity for more than 15 minutes.

FEATURES

- Does not affect load calculation of the main distribution panel.
- Automatic billing of electricity by the utility.
- NEMA 3R enclosure allows for Indoor or outdoor installation.
- Possibility to receive and transmit load shedding instructions from an external energy management system via a dry contact input and output.

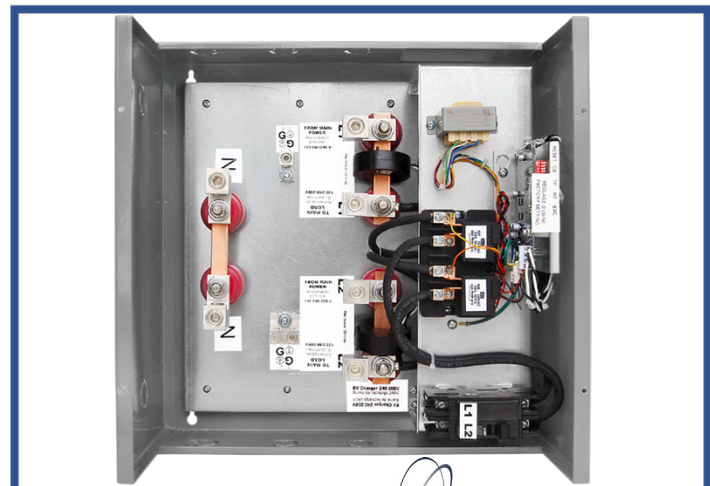
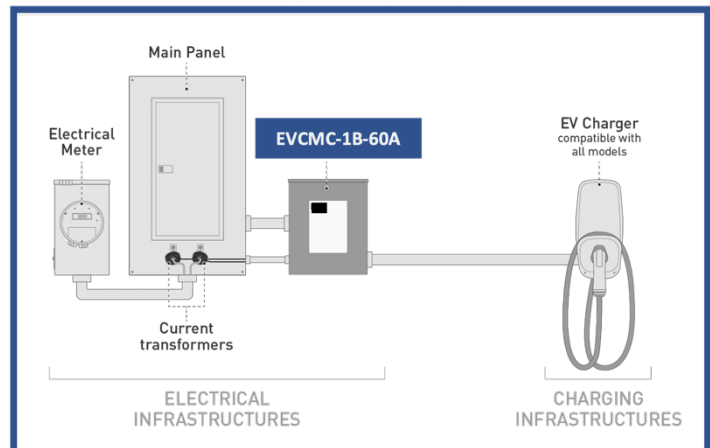
INCLUDED

- Electric Vehicle Energy Management System
- EV Charger Breaker (Max 60A)
- 2 Split Core Current Transformers (CT)

Model	Breaker	Main power supply		
		125A	150A	200A
EVCMC-1B-60A	60A	✓	✓	✓
Voltage and wiring		240/208V AC single phase: L1, L2, Neutral, Ground		
Frequency		50 to 60 Hz		
Operation temperature		-22°F to 113°F (-30°C to 45°C)		
Wire Gauge Size		up to 250 kcmil (MCM)		
Dimensions* (H" X W" X D")		Total weight *		
NEMA 3R enclosure	11" x 10" x 5"	9 lb (4,08 kg)		

*Approximative and can change without notice.

INSTALLATION EXAMPLE



Splitter Box
120/240-208V (Max200A)

Transformer,
Input: 240/208V, Output: 24VAC

Main Power Lugs

Neutral Lugs

Main Load Lugs

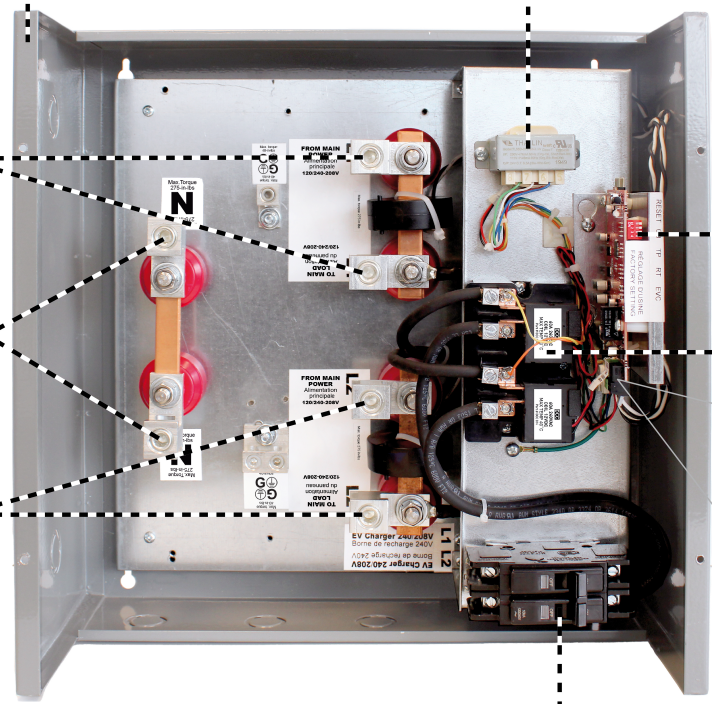
DIP switch configuration
for panel capacity

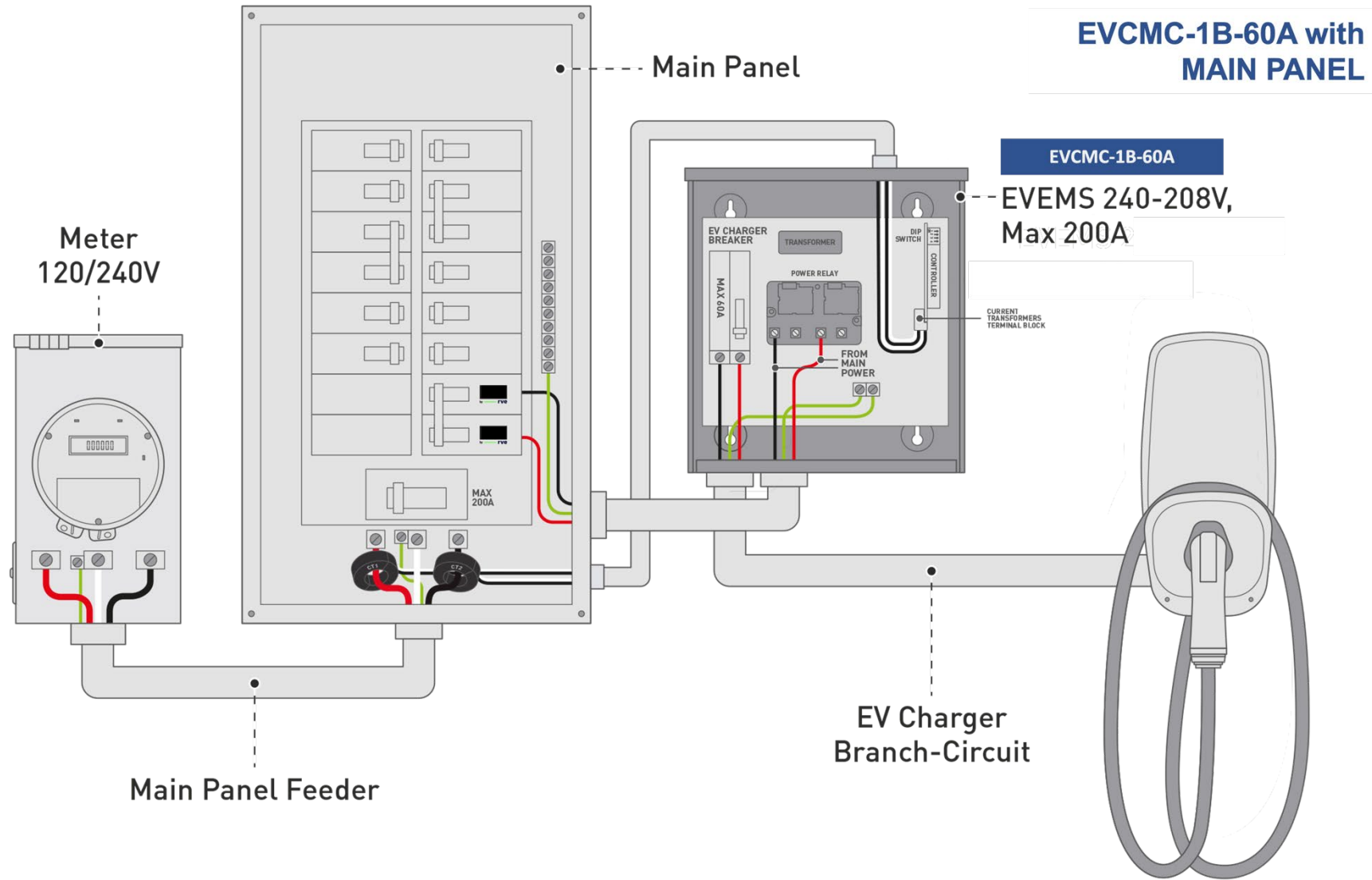
Power Relay
(Max 60A)

Dry contact for control
via external energy
management system

Pre-wired Current
Transformers (CT)
on L1 and L2

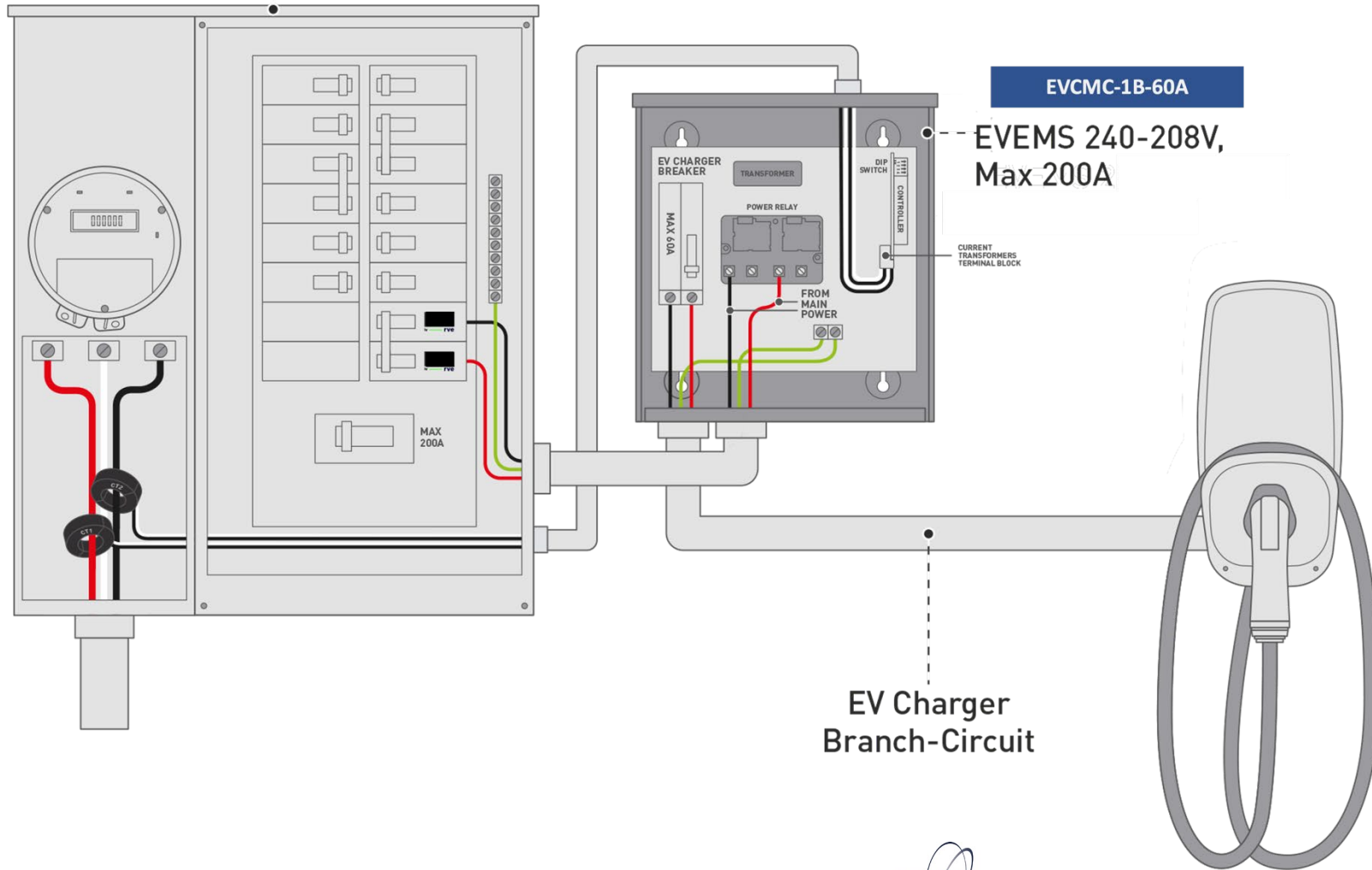
EV Charger Breaker
(Max 60A)

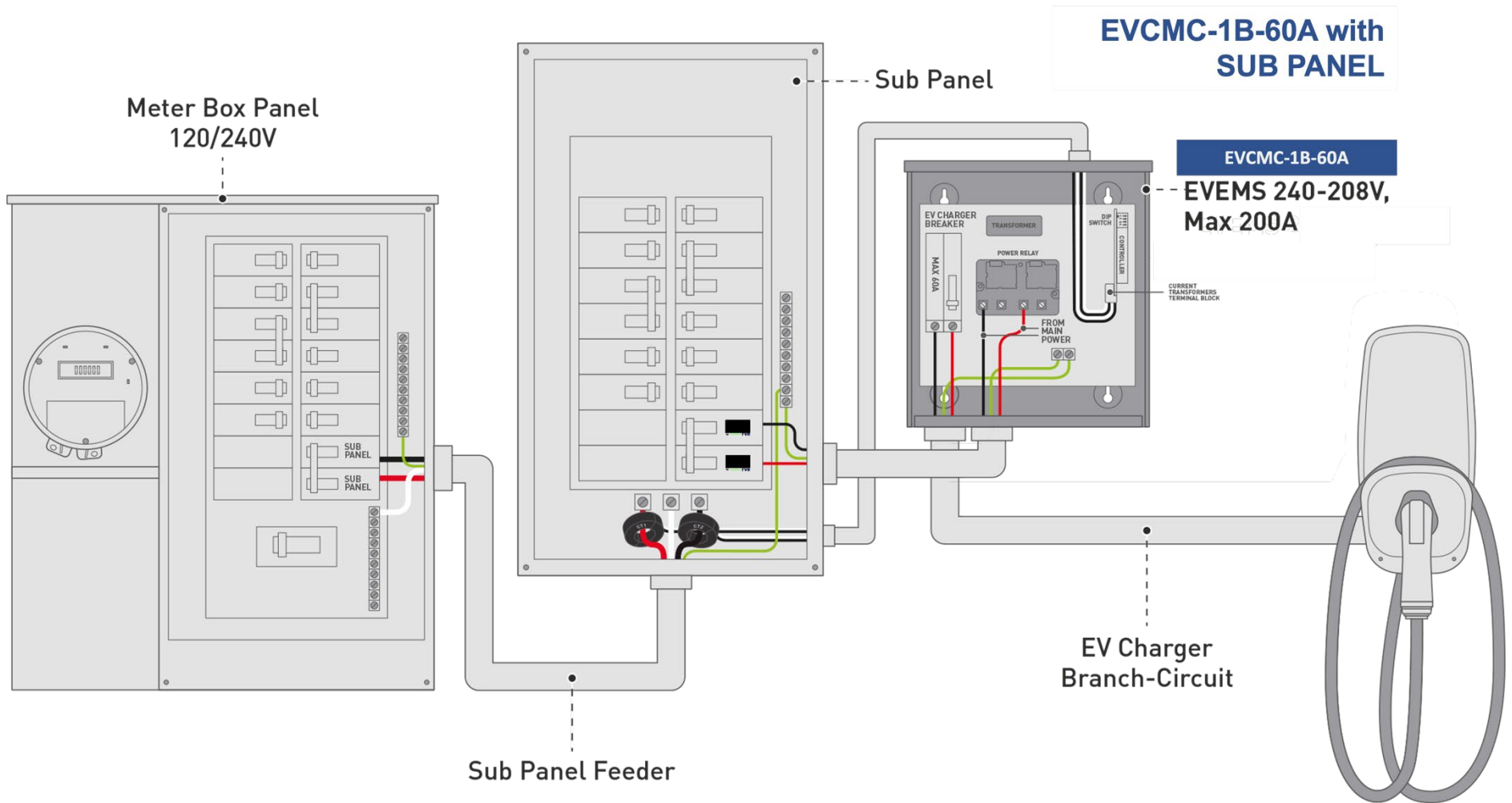




Meter Box Panel
120/240V

**EVCMC-1B-60A with
METER BOX PANEL**





EVCMC-1B-60A with METER STACK

