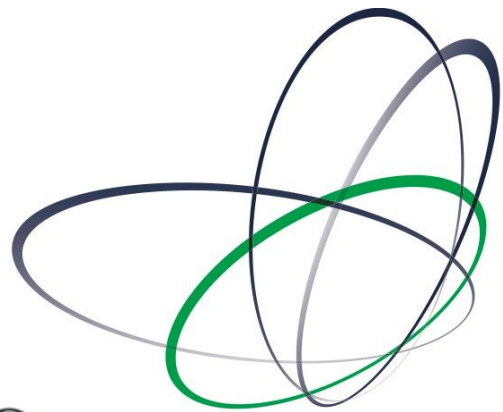
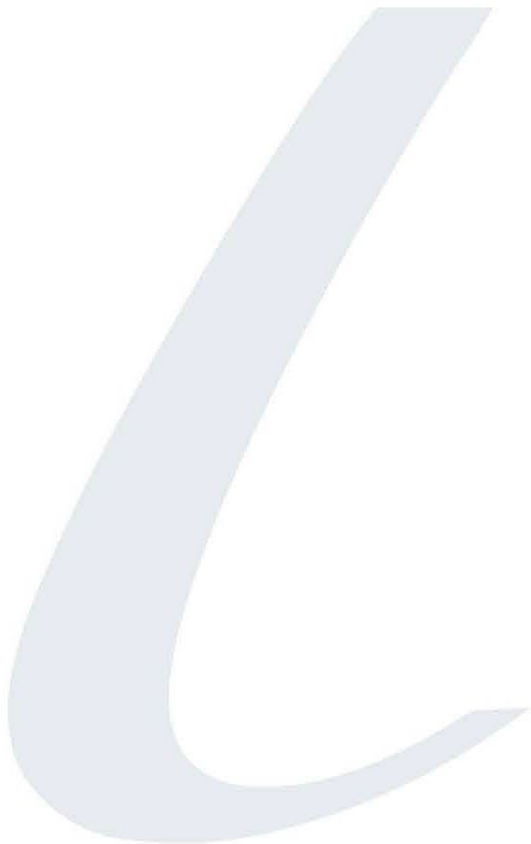


EVCMC-1

ELECTRIC VEHICLE ENERGY MANAGEMENT SYSTEM



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

EVCMC-1 Electric Vehicle Energy Management System



PAT. NO. 10.486.539



EVCMC-1

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 unit'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.
- Requires one double pole breaker slot available in the main electrical distribution panel.

FEATURES

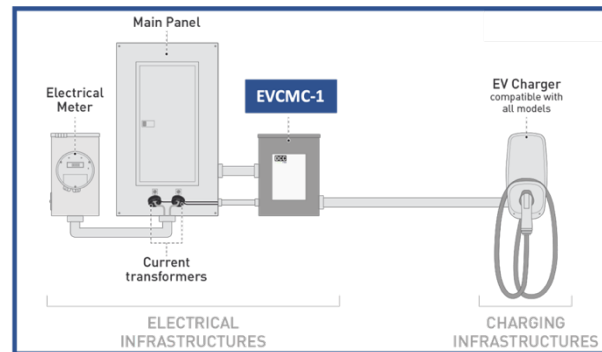
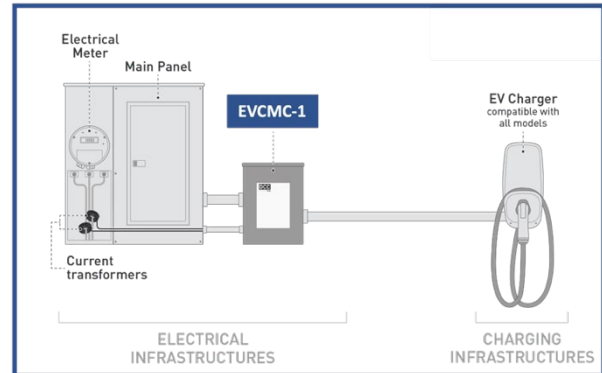
- Does not affect the load calculation of a distribution panel.
- Automatic billing of electricity by the utility for multi-unit residential building installations.
- Can be ceiling or wall mounted
- NEMA 3R enclosure for outdoor and indoor installation.
- Possibility to receive and transmit load shedding instructions from an external energy management system via a dry contact input and output

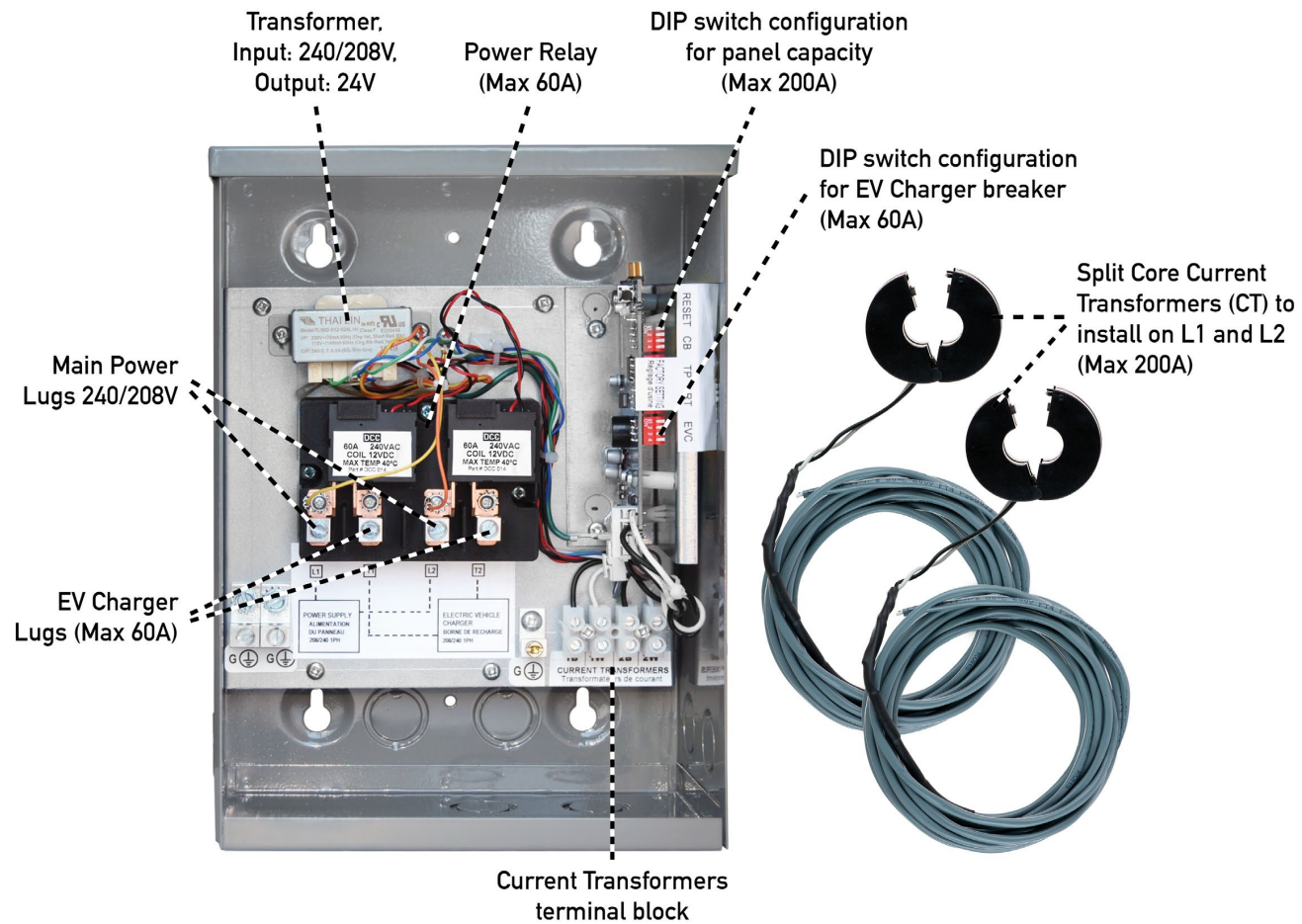
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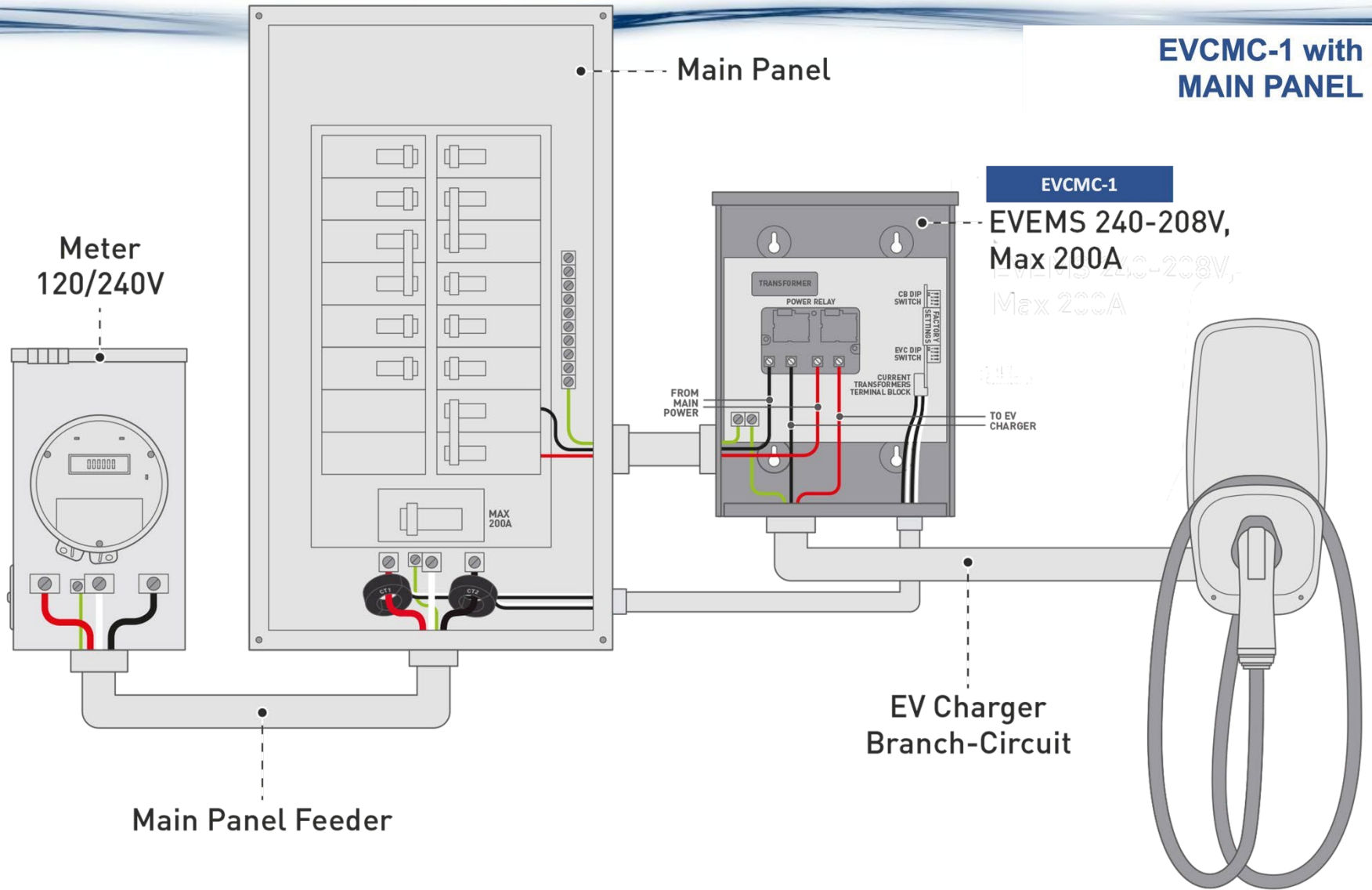
- Electric Vehicle Energy Management System
- Power Relay (Max 60A)
- 2 Split Core Current Transformers (CT)

Breaker	Main power supply		
	125A	150A	200A
EV Charger 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)		
Rated	NEMA 3R		
Dimensions* (H" X W" X D")	11" X 8" X 5"		
Total weight*	8 lb (3.63 kg)		
*Approximative and can change without notice			

INSTALLATION EXAMPLE







EVCMC-1 with METER BOX PANEL

