

DCC-12

Electric Vehicle Energy Management System

ENGLISH

GENERATION 3



PAT. NO. 10.486.539



Breaker	Main power supply							
	60A	70A	80A	90A	100A	125A	150A	200A
EV charger 30A	✓	✓	✓	✓	✓	✓	✓	✓
40A	✗	✗	✓	✓	✓	✓	✓	✓
50A	✗	✗	✗	✗	✓	✓	✓	✓
60A	✗	✗	✗	✗	✗	✓	✓	✓

Voltage and wiring 240/208V AC single phase: L1, L2, Neutral, Ground.

Frequency 50 à 60 Hz

Operation temperature -22°F à 113°F (-30°C à 45°C)

Rated NEMA 3R

Wire Gauge Size up to 250 kcmil (MCM)

Dimensions* (H" x W" x D") 11" x 8" x 5"

Total weight* 8 lb (3,63 kg)

*Approximative and can change without notice. V2

DCC-12 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.
- Requires one double pole breaker slot available in a panel.

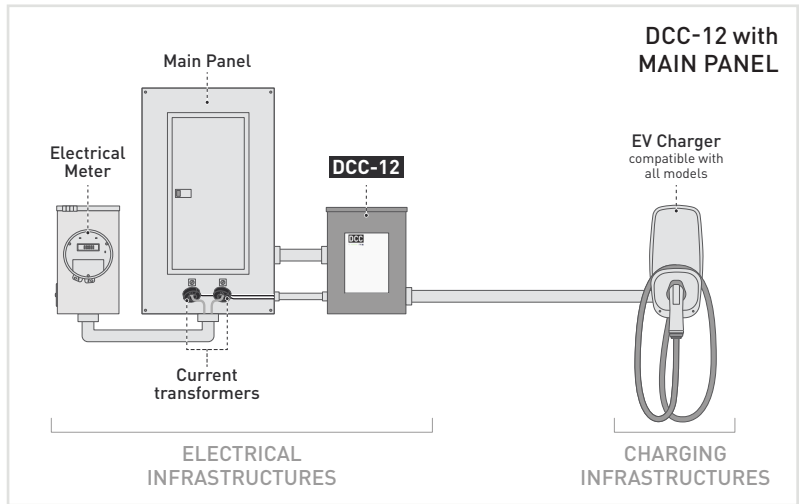
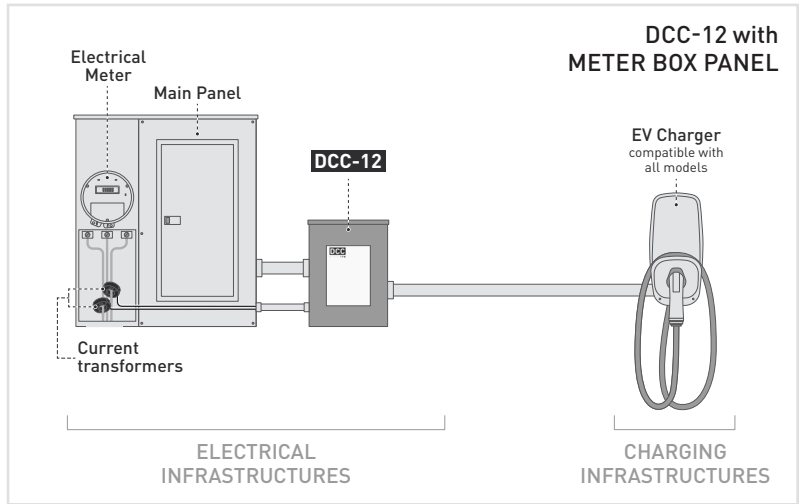
FEATURES

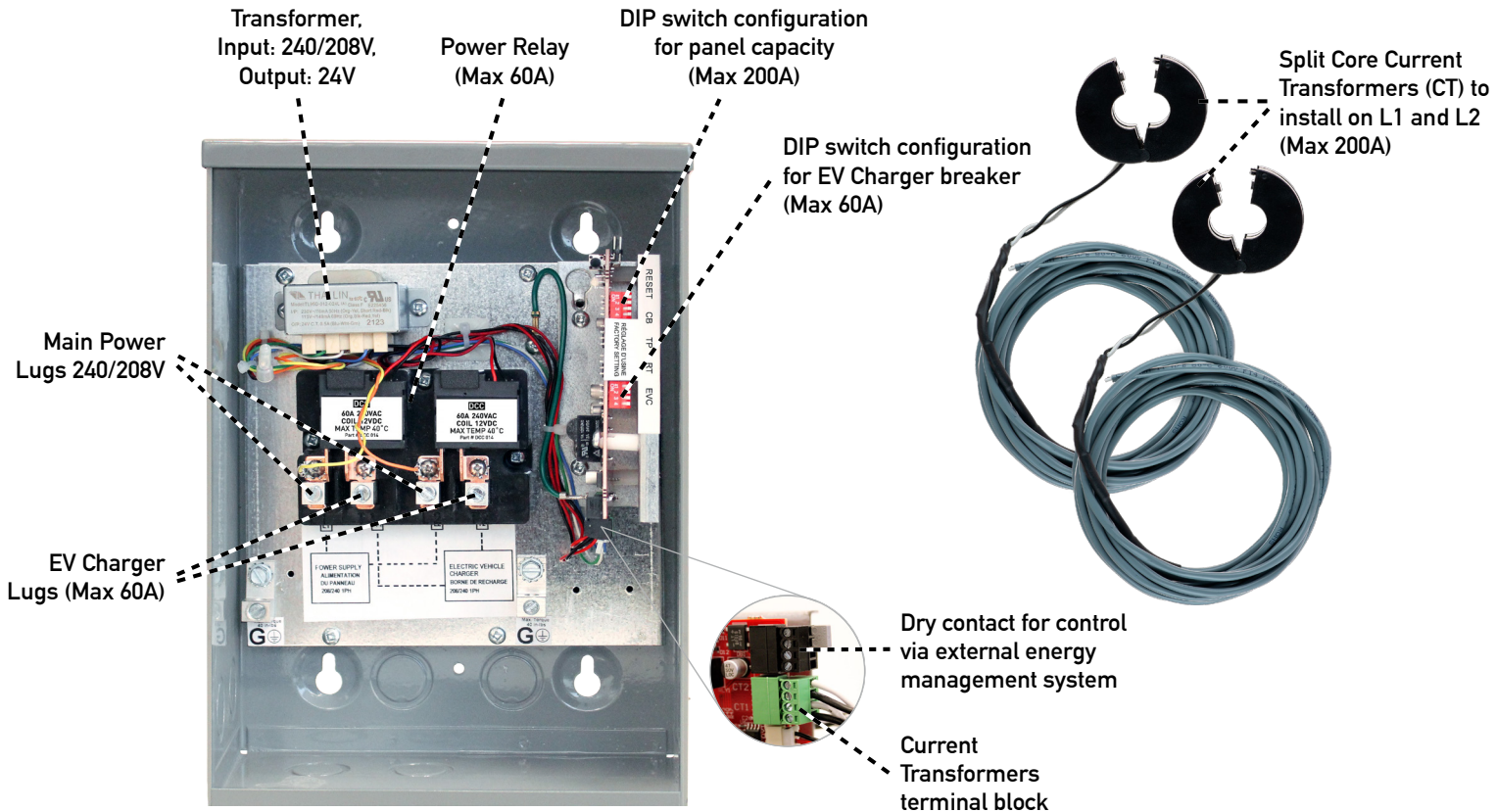
- Does not affect load calculation of a panel.
- Automatic billing of electricity by the utility.
- Can be wall or ceiling mounted.
- NEMA 3R enclosure for outdoor and indoor installation.
- Possibility to receive and transmit load shedding instructions from an external energy management system via a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

INCLUDED

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

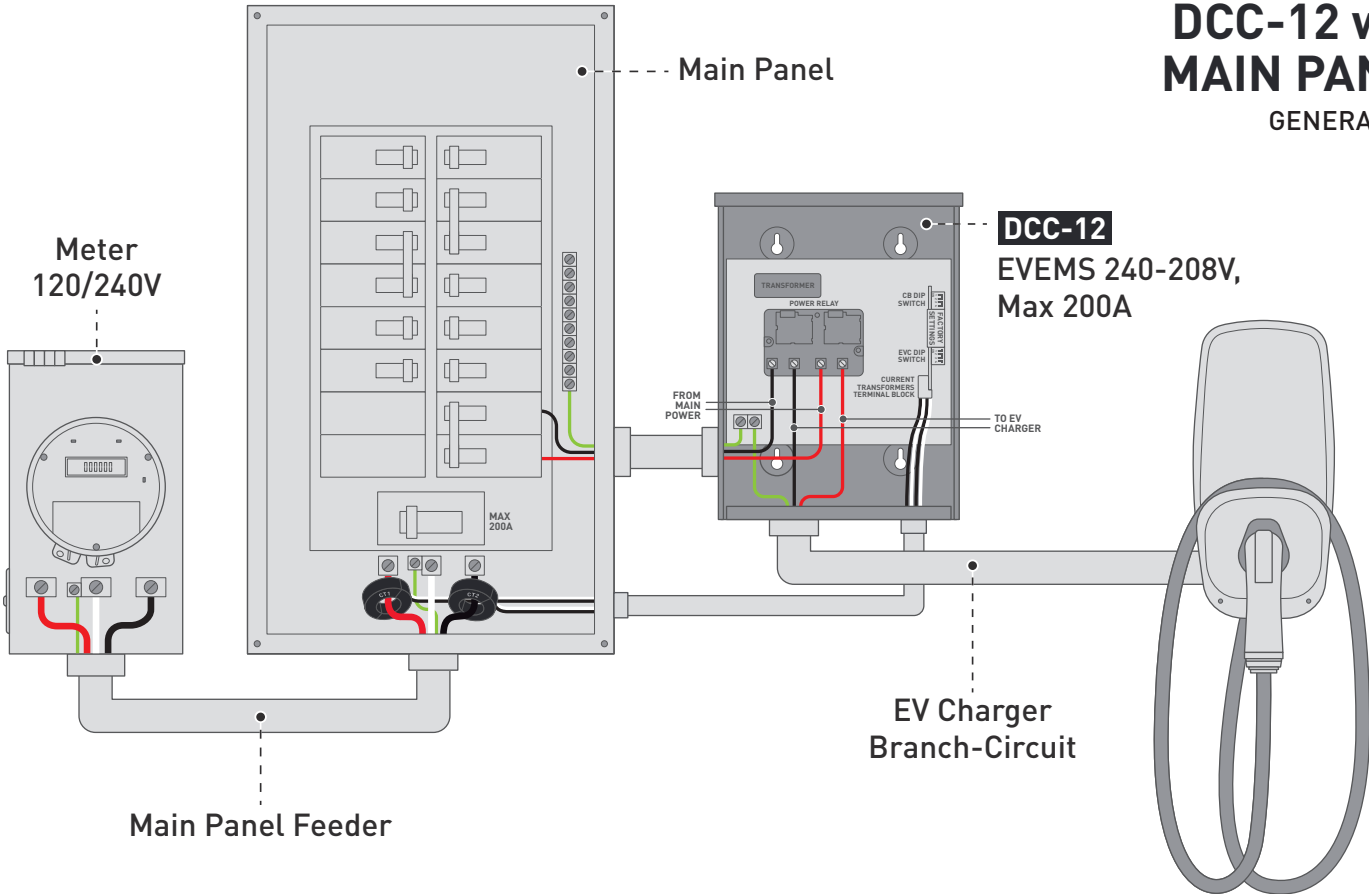
INSTALLATION EXAMPLES





DCC-12 with MAIN PANEL

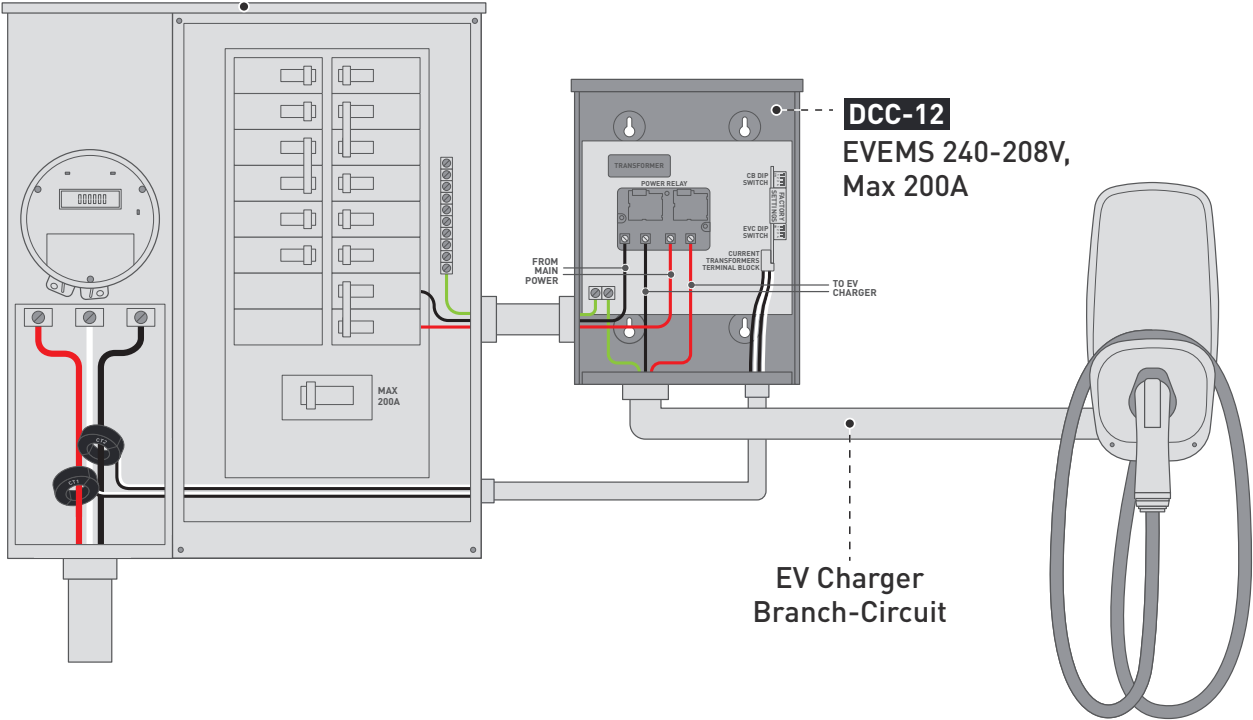
GENERATION 3

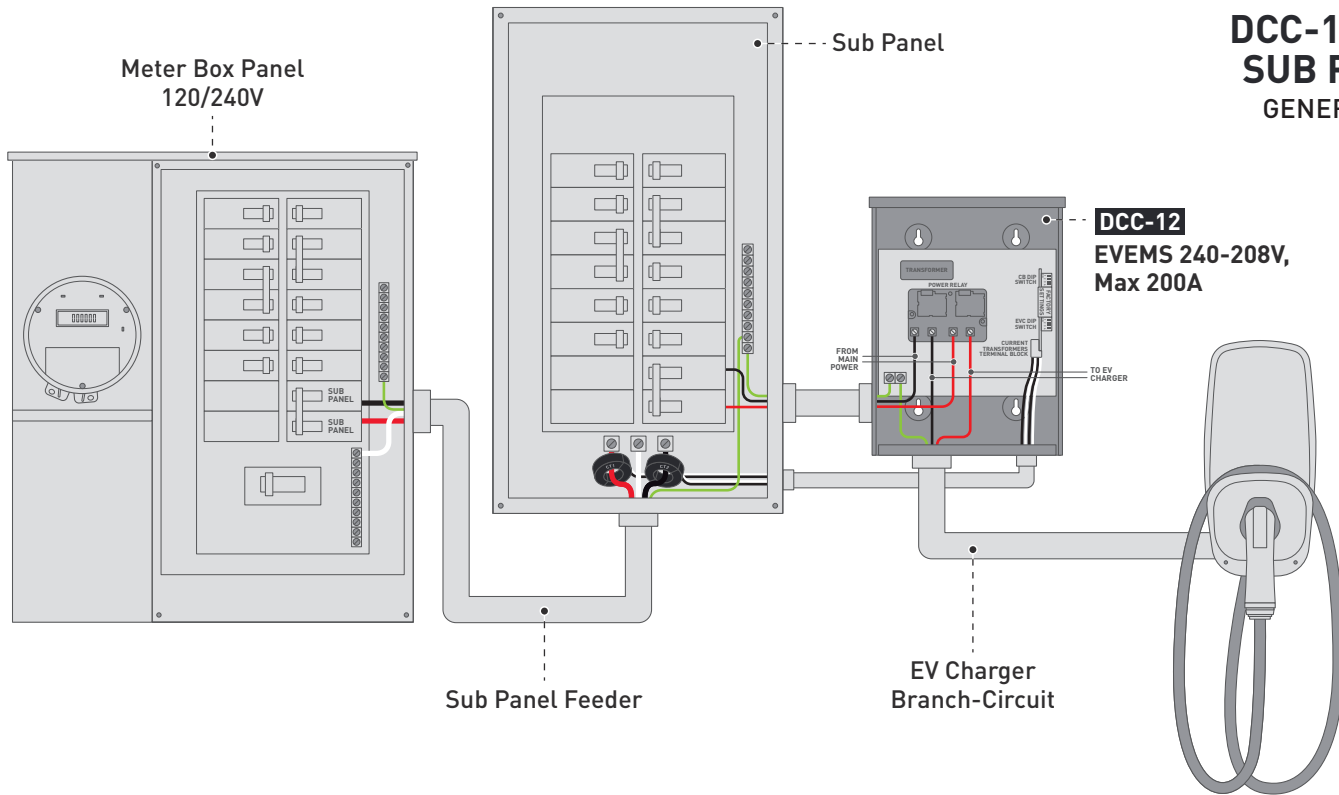


DCC-12 with METER BOX PANEL

GENERATION 3

Meter Box Panel
120/240V





Meter Box Panel
120/240V

Sub Panel

DCC-12 with SUB PANEL GENERATION 3

DCC-12
EVEMS 240-208V,
Max 200A

Sub Panel Feeder

EV Charger
Branch-Circuit

FROM MAIN
POWER

TO EV
CHARGER