

DCC-10

Electric Vehicle Energy Management System

ENGLISH

GENERATION 3



PAT. NO. 10.486.539



DCC-10 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 available for 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)

Models	Breaker EV charger	Main power supply							
		60A	70A	80A	90A	100A	125A	150A	200A
DCC-10-30A	30A	✓	✓	✓	✓	✓	✓	✓	✓
DCC-10-40A	40A	✗	✗	✓	✓	✓	✓	✓	✓
DCC-10-50A	50A	✗	✗	✗	✗	✓	✓	✓	✓
DCC-10-60A	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)

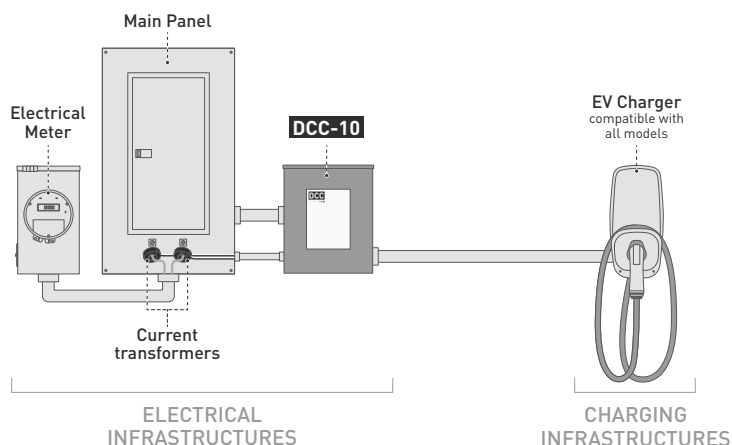
Wire Gauge Size up to 250 kcmil (MCM)

Dimensions* (H" x W" x D")	Total weight*
NEMA 3R enclosure 11" x 10" x 5"	9 lb (4,08 kg)

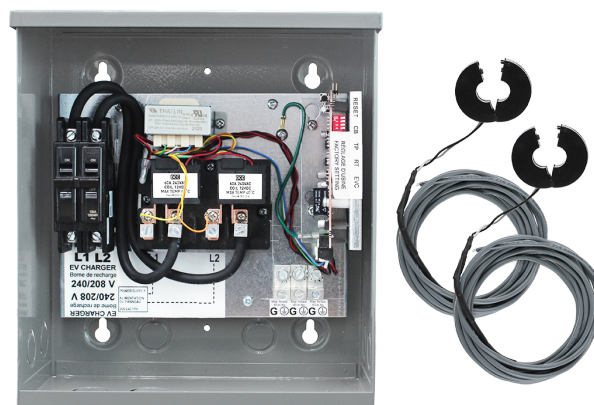
*Approximative and can change without notice.

V3

INSTALLATION EXAMPLES

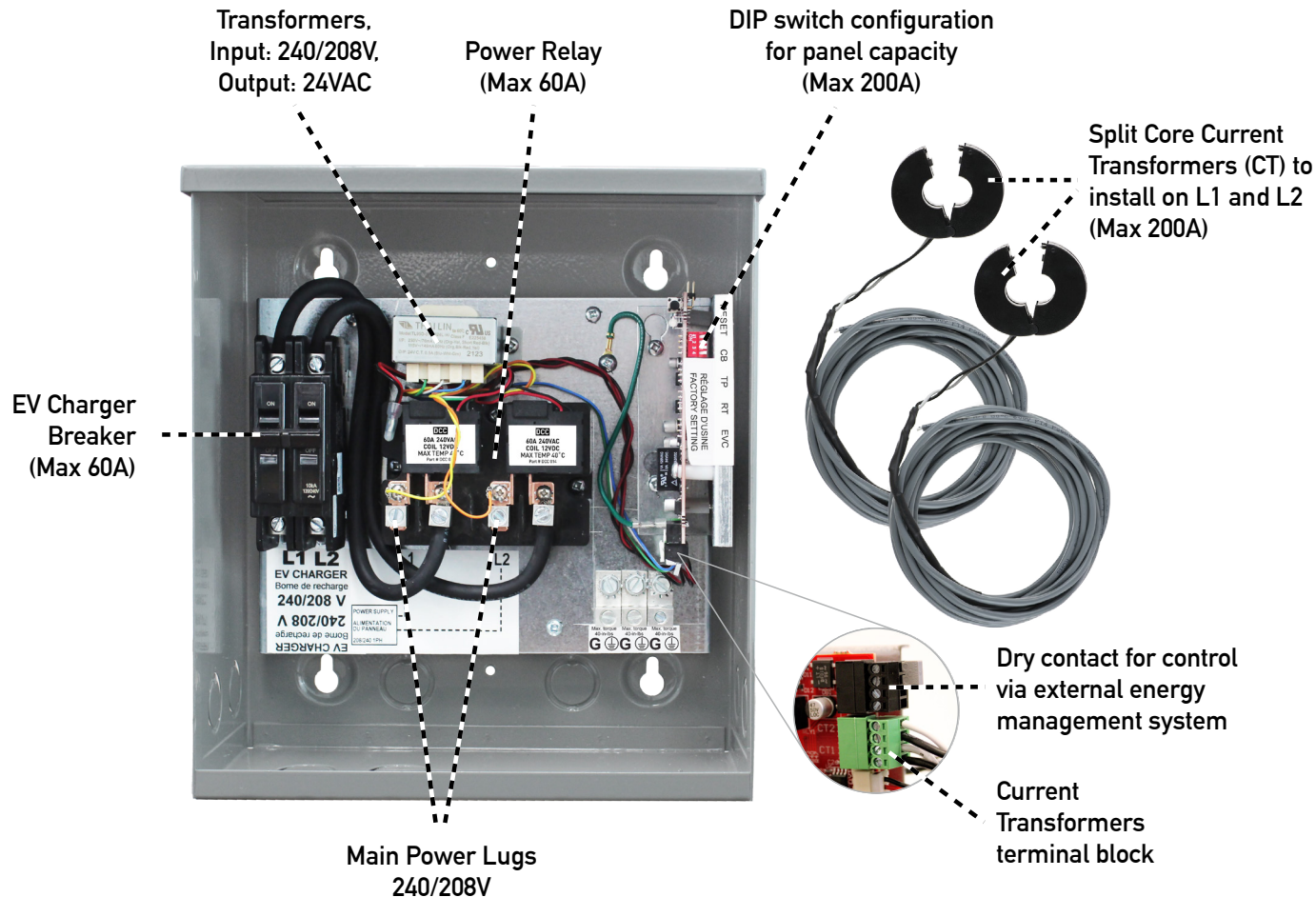


INTERNAL COMPONENTS



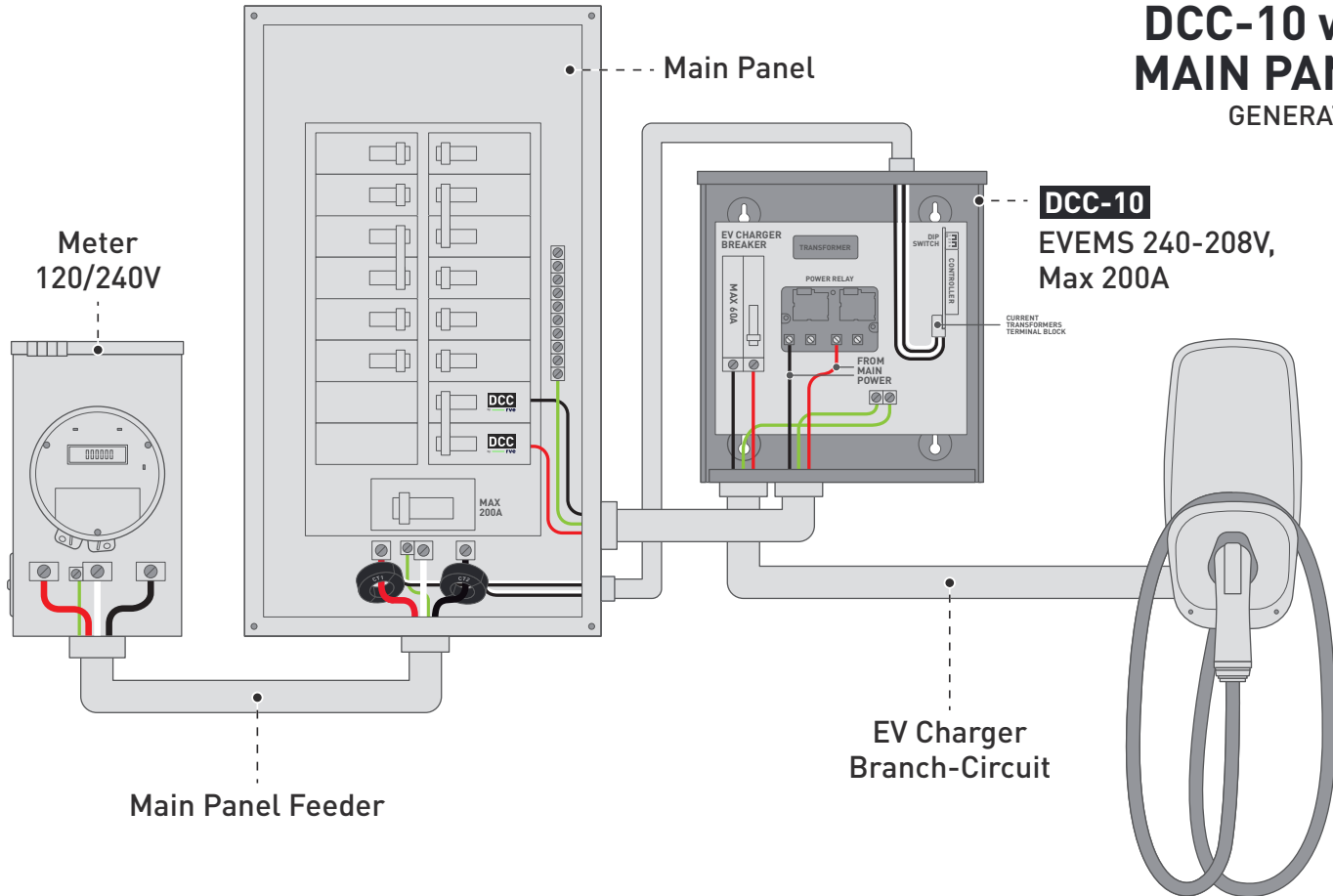
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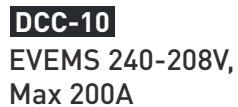


DCC-10 with MAIN PANEL

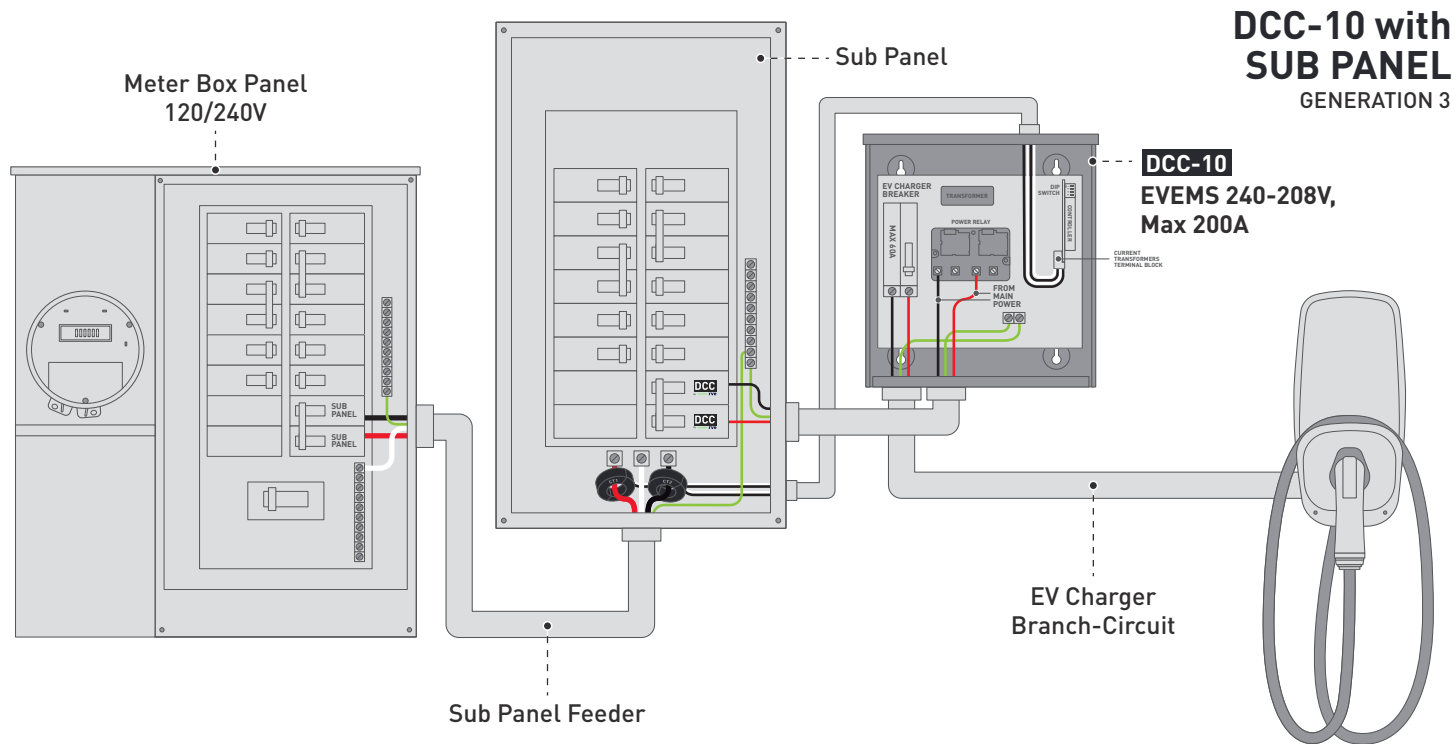
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Meter Box Panel
120/240V



EV Charger Branch-Circuit



**DCC-10 with
METER STACK**
GENERATION 3

