

# DCC-11

# Electric Vehicle Energy Management System

ENGLISH

GENERATION 3



PAT. NO. 10.486.539



Models	Breaker EV charger	Main power supply							
		60A	70A	80A	90A	100A	125A	150A	200A
DCC-11-30A	30A	×	×	×	×	×	×	✓	✓
DCC-11-40A	40A	×	×	SEE DCC-9	×	×	×	✓	✓
DCC-11-50A	50A	×	×	×	×	×	×	✓	✓
DCC-11-60A	60A	×	×	×	×	×	×	✓	✓

<b>Voltage and wiring</b>	240/208V AC single phase: L1, L2, Neutral, Ground.
<b>Terminals size</b>	up to 300 MCM (CU/AL)
<b>Frequency</b>	50 to 60 Hz
<b>Operation temperature</b>	-22°F to 113°F (-30°C to 45°C)
<b>Dimensions*</b> (H" x W" x D")	16" x 16" x 8"
<b>Total weight*</b>	23 lb (10,43 kg)

\*Approximative and can change without notice.

V3

DCC-11 is an energy management system designed to allow the connection of an EV charger to the main feeder of a panel without affecting the load calculation.

## OPERATION

- Real-time reading of the total panel power consumption with pre-wired current transformers (CT).
- Detects when total power consumption exceeds 80% of main circuit breaker capacity and temporarily de-energizes the EV charger.
- Automatically re-energizes the EV charger when the total power consumption is less than 80% of main circuit breaker capacity for more than 15 minutes.

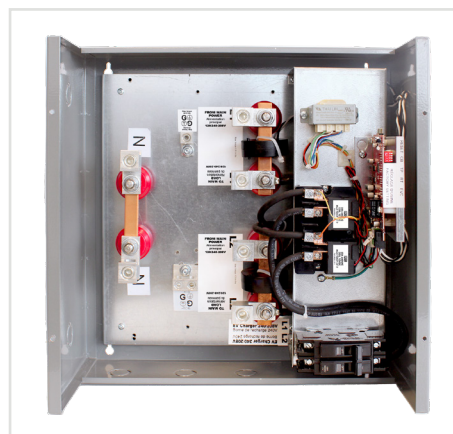
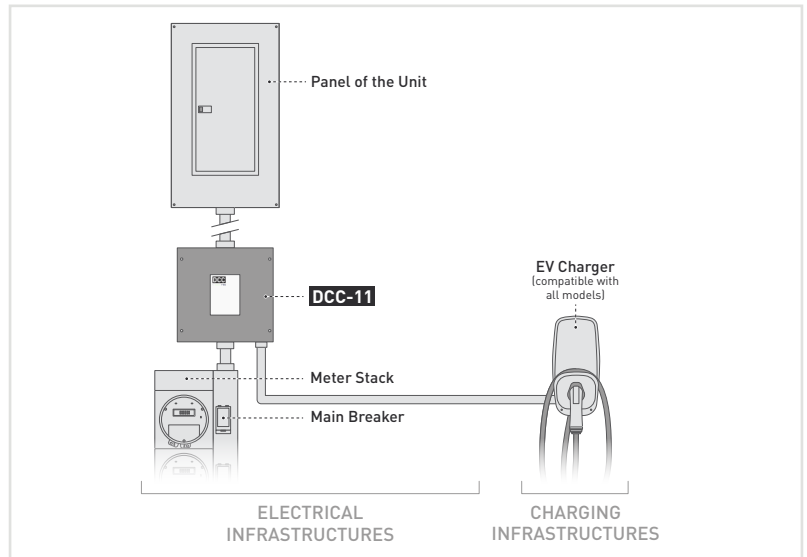
## FEATURES

- Ideal when no more breaker slots are available in a panel
- Does not affect load calculation of a panel
- Automatic billing of electricity by the utility for multi-unit residential building installations.
- Can be ceiling or wall mounted.
- 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
- Splitter Box (Max 200A)
- EV Charger Breaker (Max 60A)
- 2 Pre-Wired Current Transformers (CT)

## INSTALLATION EXAMPLES



## INTERNAL COMPONENTS

1-833-717-1355  
dcelectric.com



Splitter Box  
120/240-208V (Max200A)

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

Main Power Lugs

Neutral Lugs

Main Load Lugs

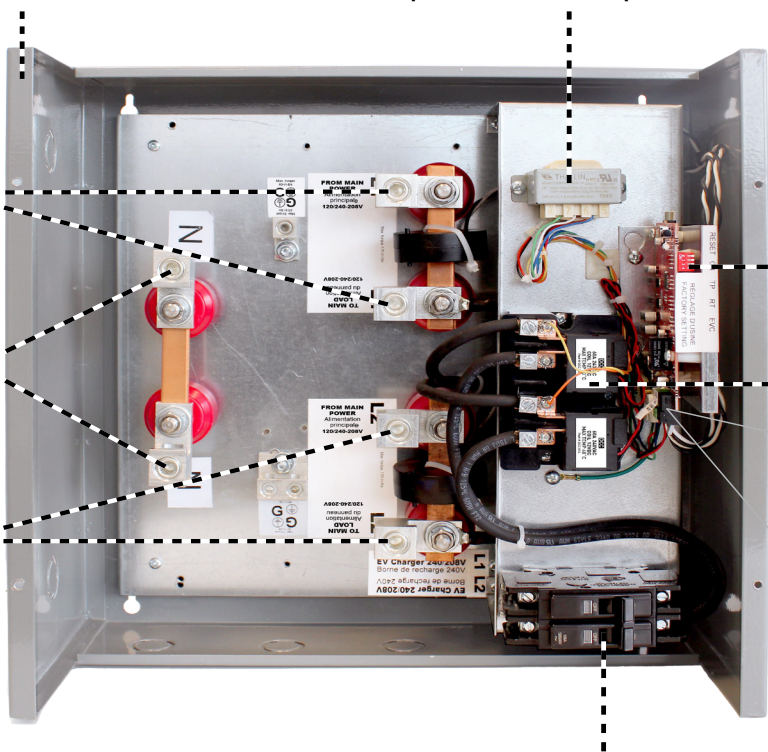
DIP switch configuration  
for panel capacity

Power Relay  
(Max 60A)

Dry contact for control  
via external energy  
management system

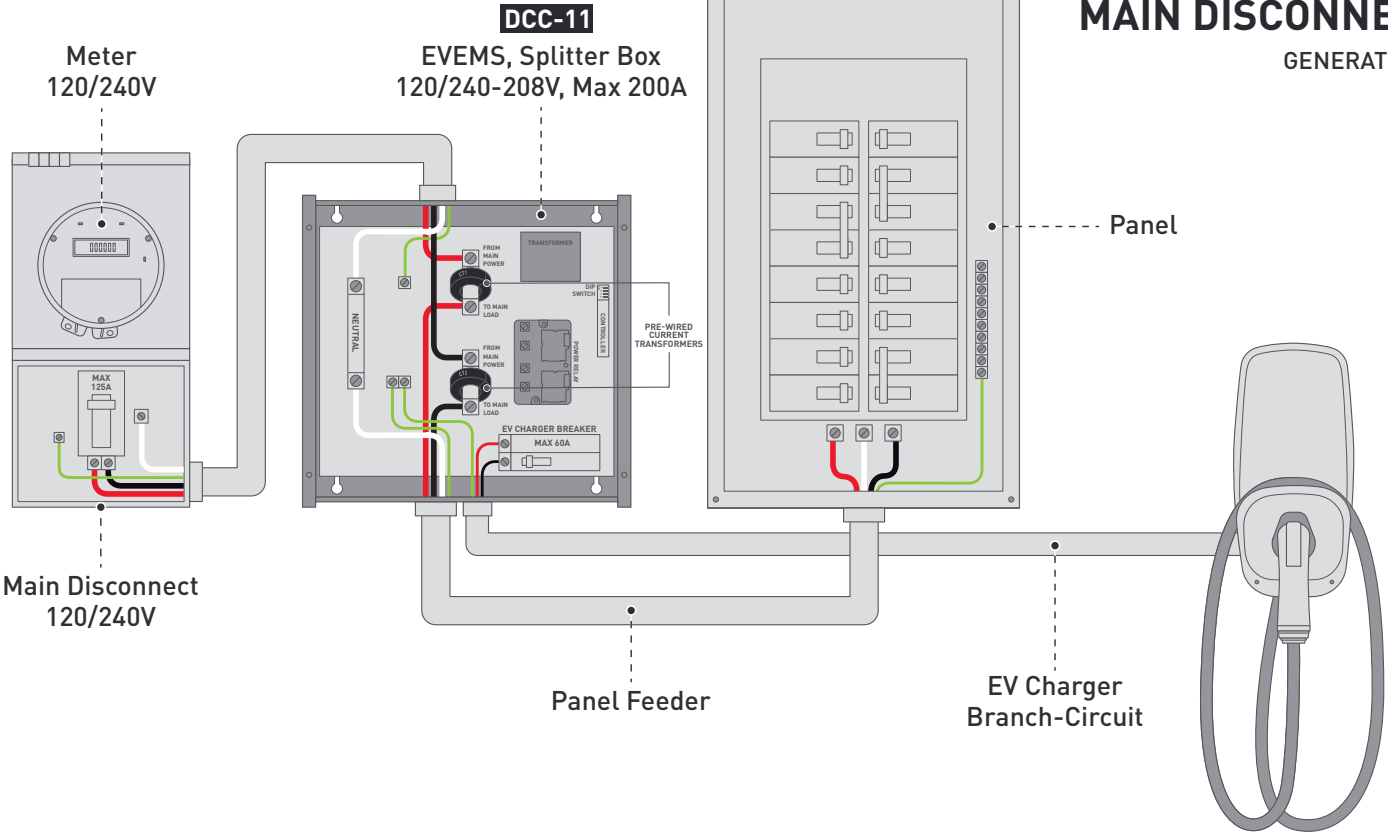
Pre-wired Current  
Transformers (CT)  
on L1 and L2

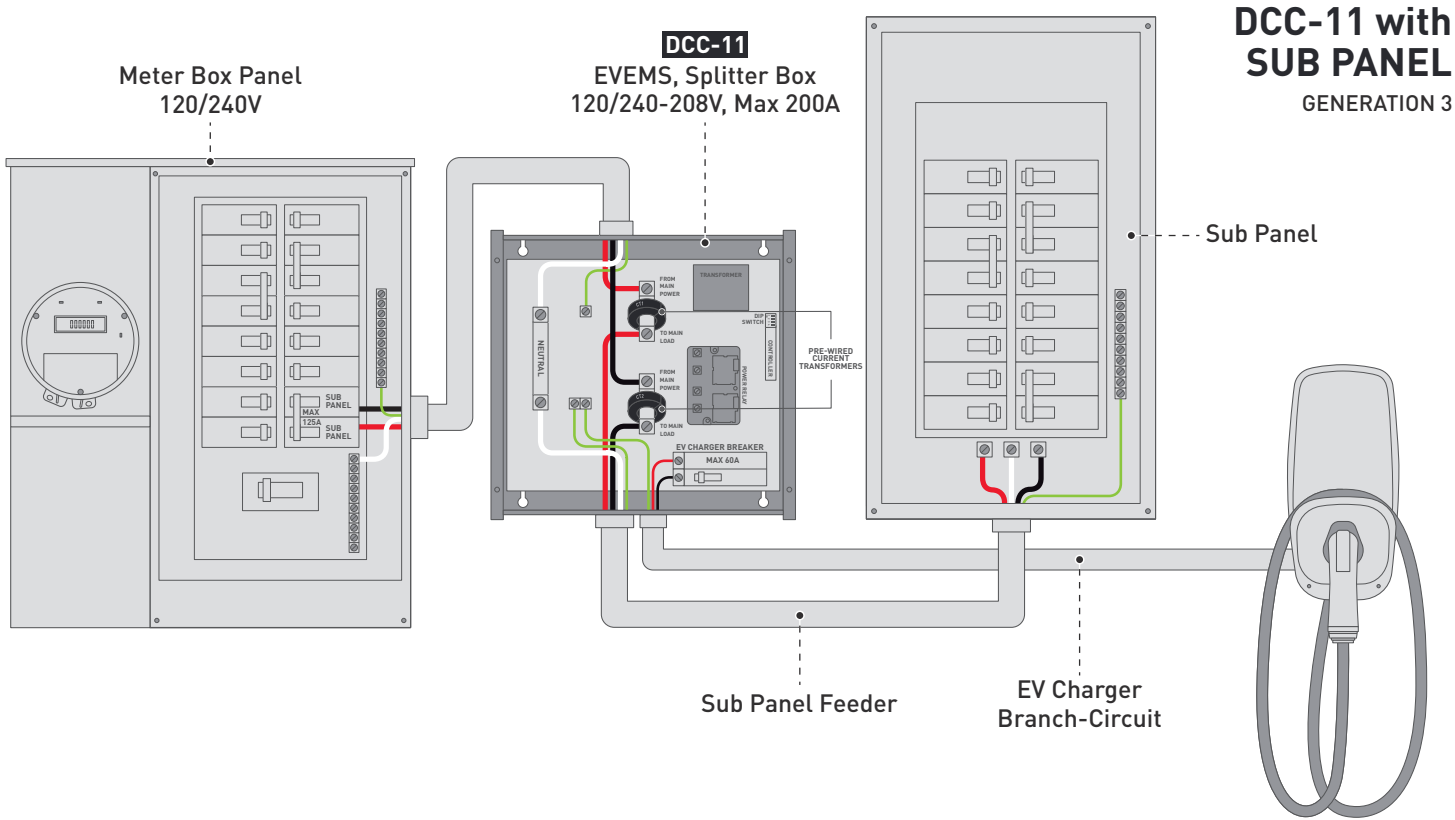
EV Charger Breaker  
(Max 60A)



# DCC-11 with MAIN DISCONNECT

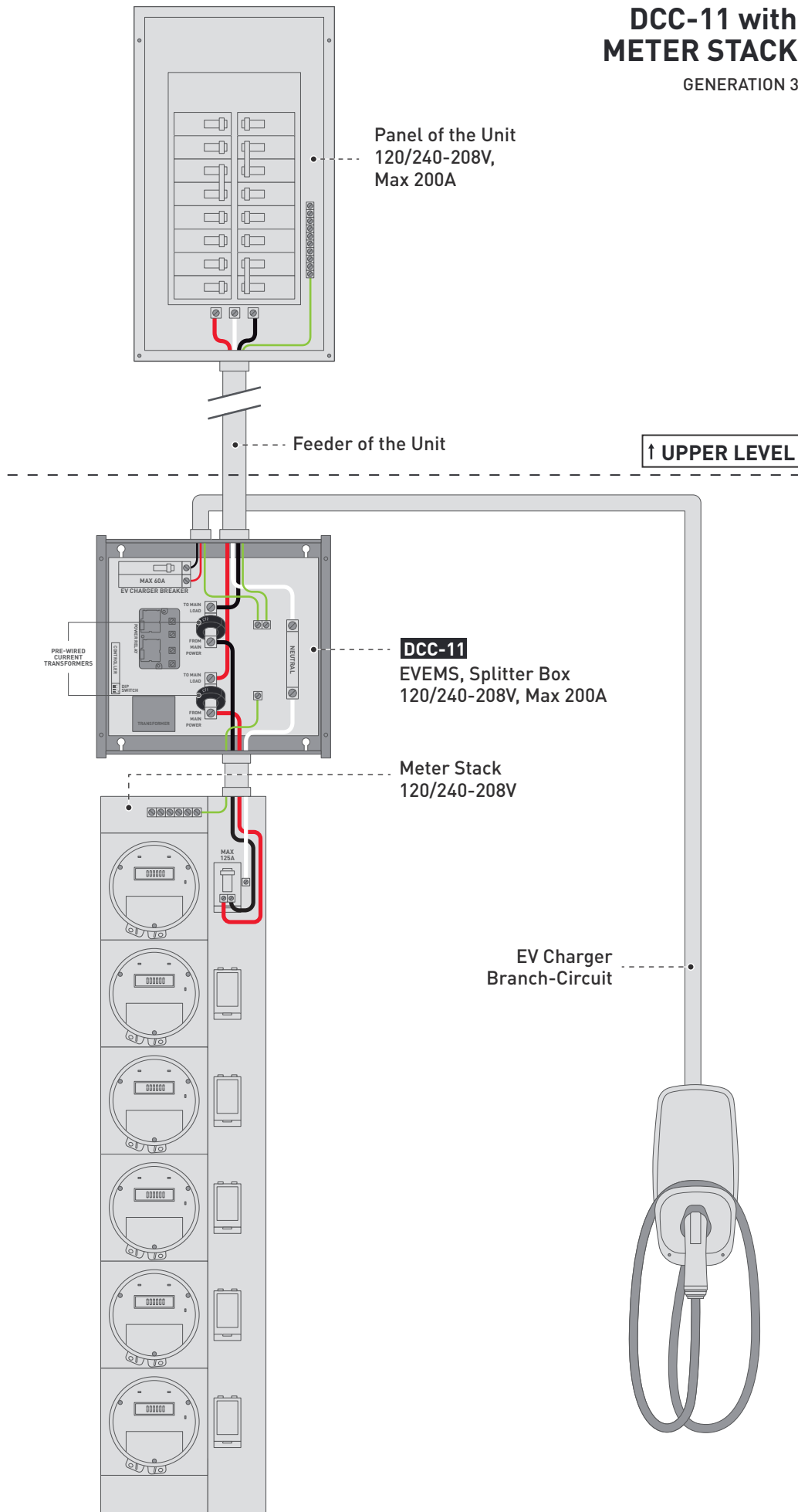
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# DCC-11 with METER STACK

GENERATION 3



Panel of the Unit  
120/240-208V,  
Max 200A

Feeder of the Unit

↑ UPPER LEVEL

**DCC-11**  
EVEMS, Splitter Box  
120/240-208V, Max 200A

Meter Stack  
120/240-208V

EV Charger  
Branch-Circuit