Specification sheet

GENERATION 3

ELECTRIC VEHICLE ENERGY MANAGEMENT SYSTEM

DCC-11

PAT. NO. 10.486.539

MODELS	BREAKER	MAIN POWER SUPPLY							
	**EV charger	60A	70A	80A	90A	100A	125A	150A	200A
DCC-11-30A	30A	×	×	×	×	×	×	✓	✓
DCC-11-40A	40A	×	×	×	SEE	×	×	✓	✓
DCC-11-50A	50A	×	×	×	DCC-9	×	×	✓	✓
DCC-11-60A	60A	×	×	×	×	×	×	✓	✓
Voltage and wiring		240/208V AC single phase: L1, L2, Neutral, Ground.							
Terminals size		up to 300 MCM (CU/AL)							
Frequency		50 to 60 Hz							
Operation temperature		-22°F to 113°F (-30°C to 45°C)							
Max torque		L1, L2, Neutral: 120 in-lbf / Ground: 50 in-lbf Breaker terminals: 45 in-lbf							
Dimensions* (H" x W" x D")		16" x 16" x 8"							
Total weight*		23 lb (10,43 kg)							

*Approximative and can change without notice. V5

** Not limited to compatibility with electric vehicle charging stations, this product can be installed with resistive loads of up to 60A and inductive loads of up to 40A

The DCC-11 is an Electric Vehicle Energy Management System (EVEMS) that allows a charger to be connected directly to an electrical panel of a multi-unit residential building (MURB) dwelling, which would otherwise not have sufficient capacity to allow the connection.

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.

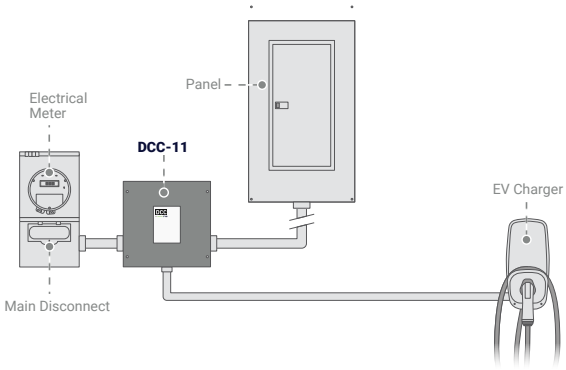
FEATURES

- 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 manage ment system via a dry contact input and output.

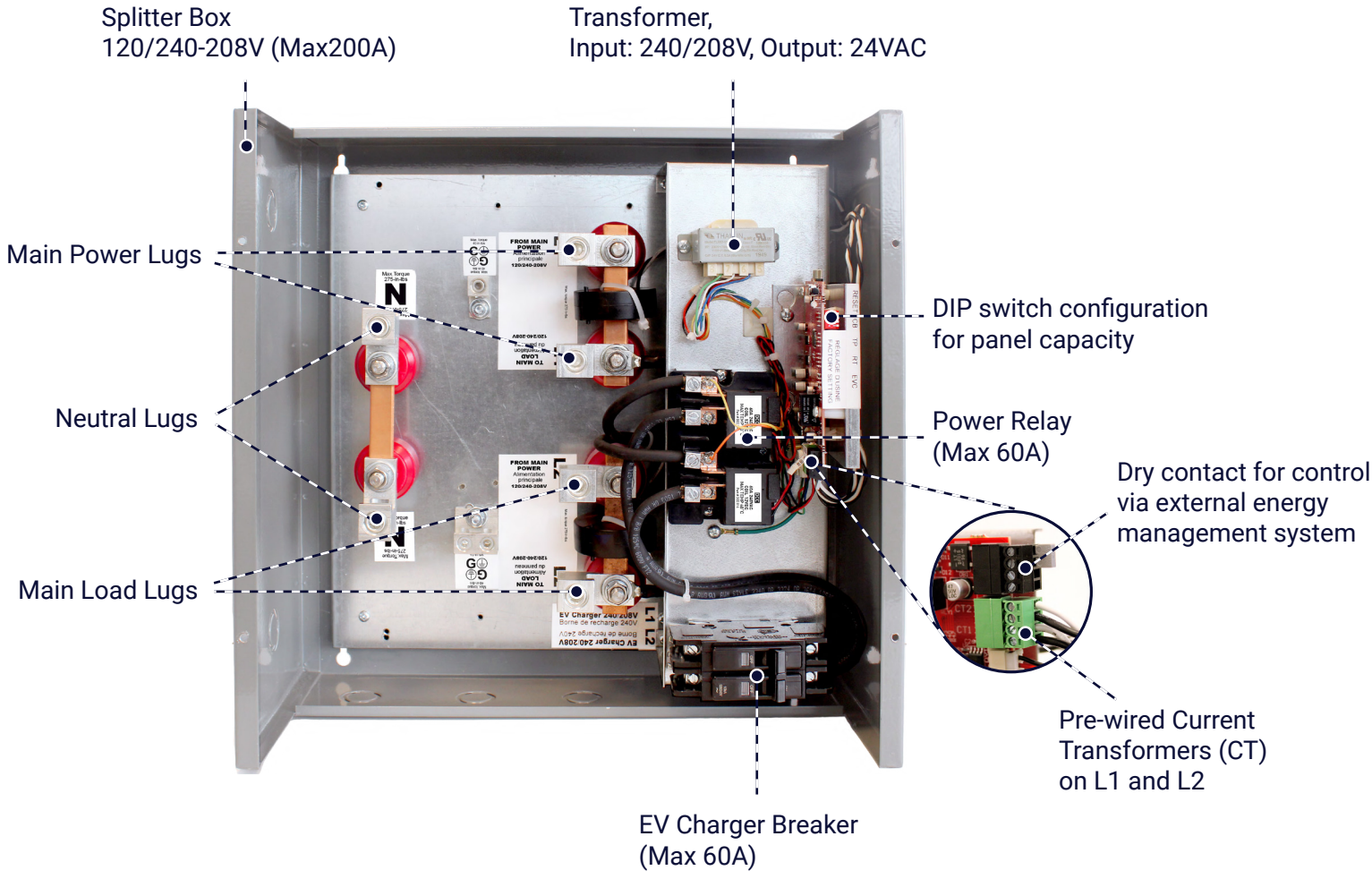
INCLUDED

- Electric Vehicle Energy Management System
- Splitter Box (Max 200A)
- EV Charger Breaker (Max 60A)
- 2 Pre-Wired Current Transformers (CT)

INSTALLATION EXAMPLES

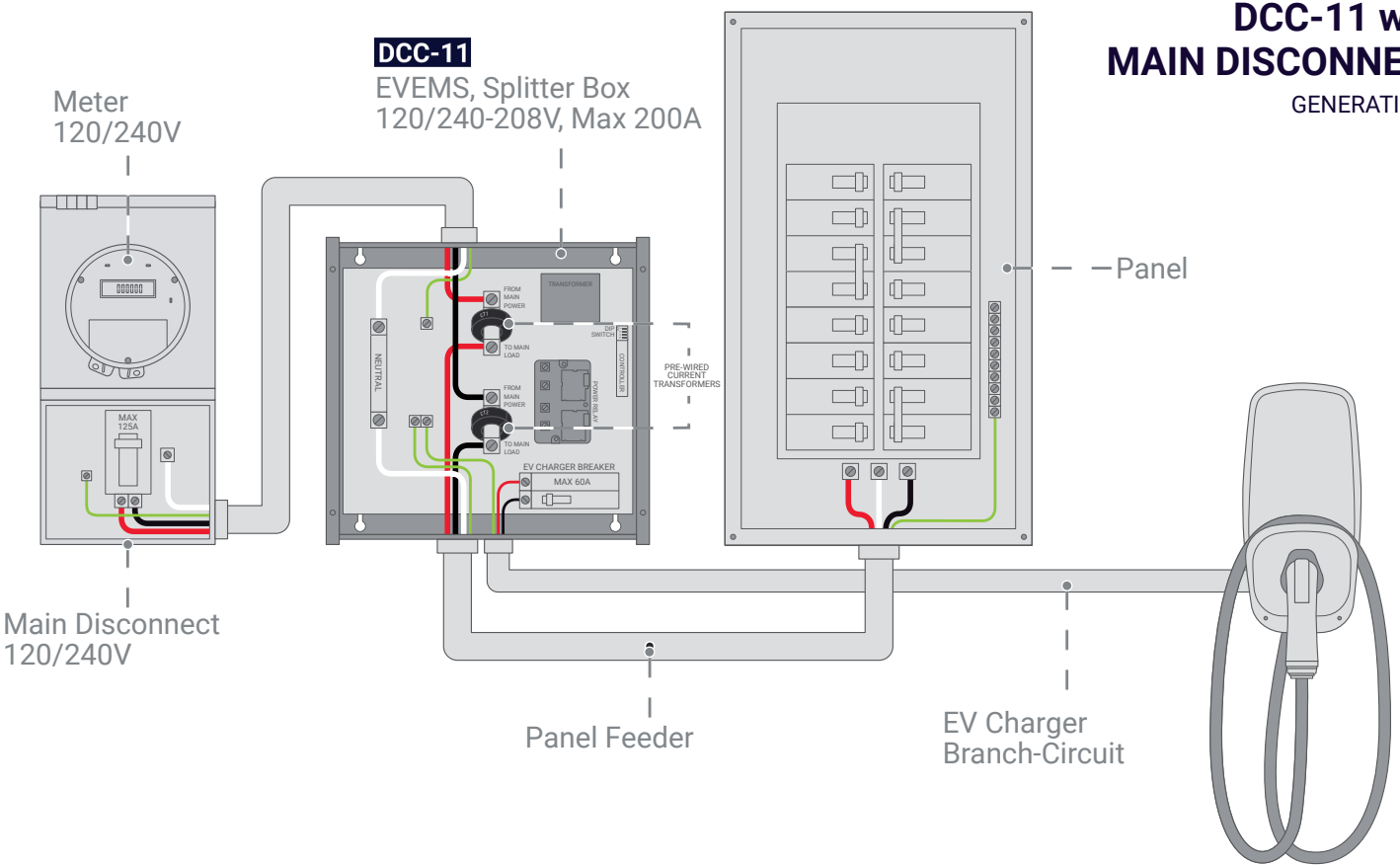


INTERNAL COMPONENTS


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)

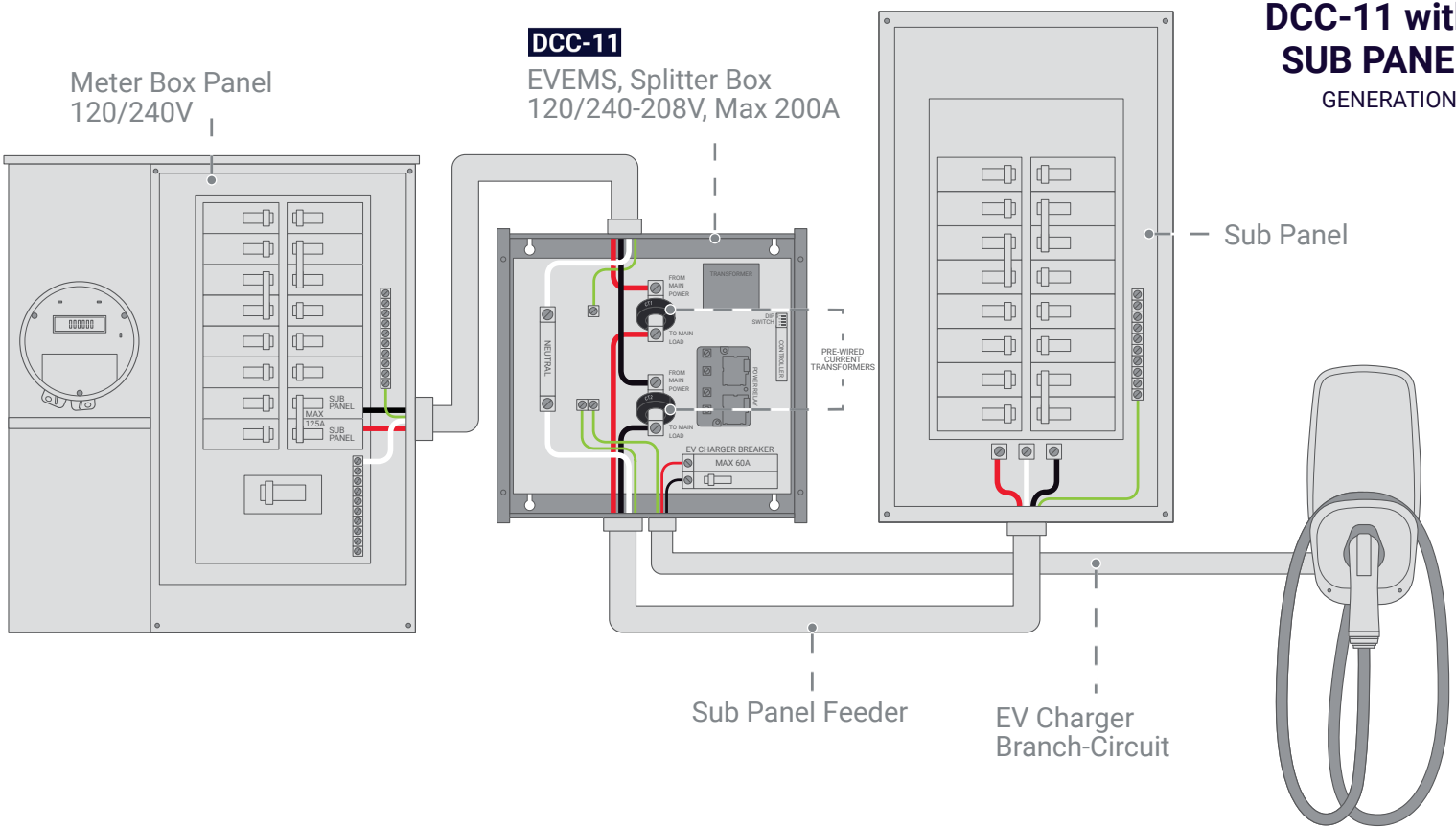
DCC-11 with MAIN DISCONNECT

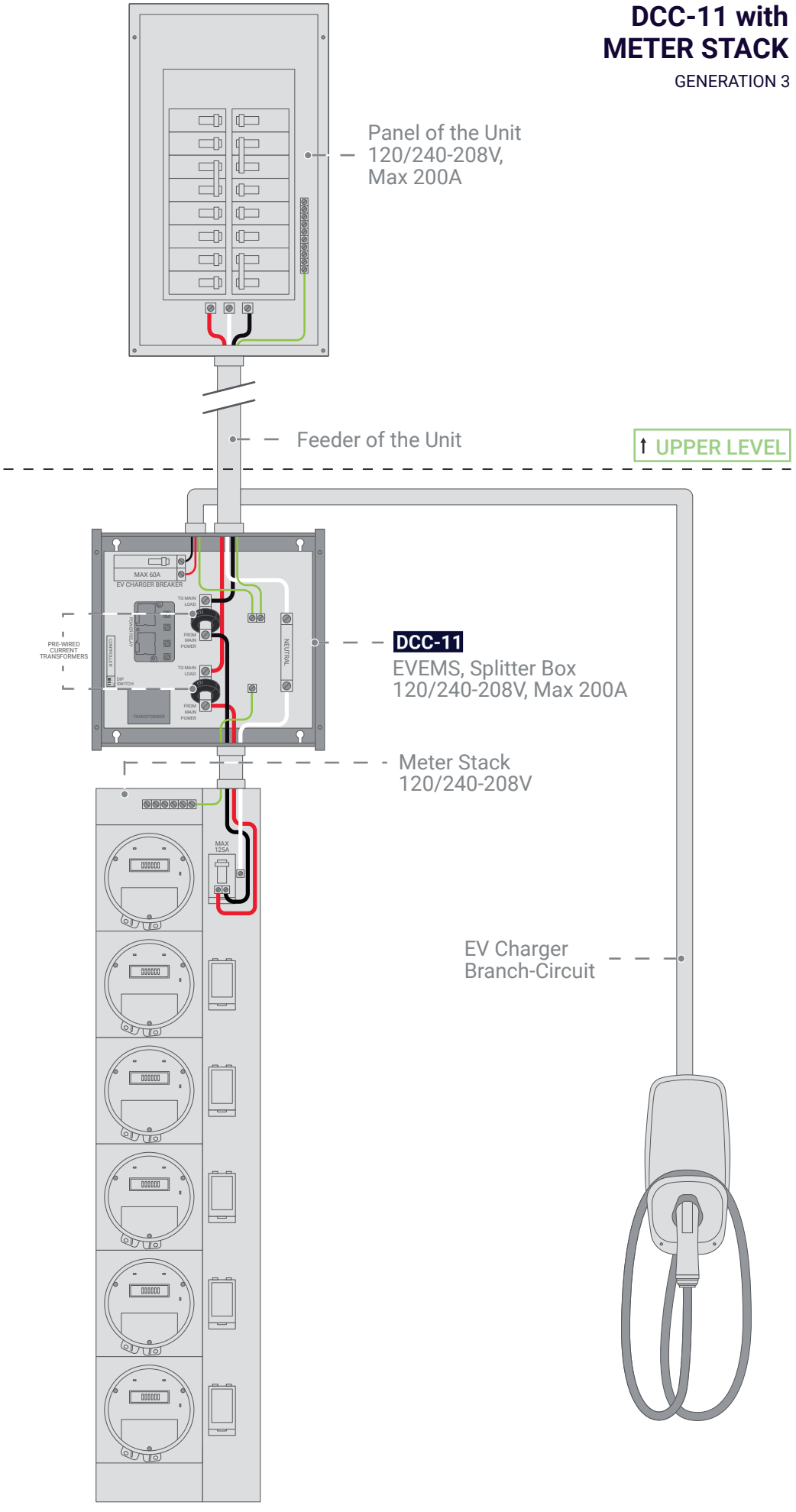
GENERATION 3



DCC-11 with SUB PANEL

GENERATION 3



DCC-11 with METER STACK

GENERATION 3