Specification sheet

GENERATION 2.1

ELECTRIC VEHICLE ENERGY MANAGEMENT SYSTEM

DCC-9

PAT. NO. 10.486.539

MODELS	BREAKER	MAIN POWER SUPPLY							
	** EV charger	60A	70A	80A	90A	100A	125A	150A	200A
DCC-9-30A	30A	✓	✓	✓	✓	✓	✓	×	×
DCC-9-40A	40A	×	×	✓	✓	✓	✓	SEE DCC-11	×
DCC-9-50A	50A	×	×	×	×	✓	✓		
DCC-9-60A	60A	×	×	×	×	● ***	✓	×	×
Voltage and wiring		240/208V AC single phase: L1, L2, Neutral, Ground.							
Terminals size		up to 2/0 (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")	Total weight*
	12" x 12" x 7.5"	17 lb (7,71 kg)
NEMA 3R enclosure	14" x 13" x 8"	18 lb (8,16 kg)

*Approximative and can change without notice. V4

** 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

*** See dip switch programming step in manual for more details.

The DCC-9 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 capacit for more than 15 minutes.

FEATURES

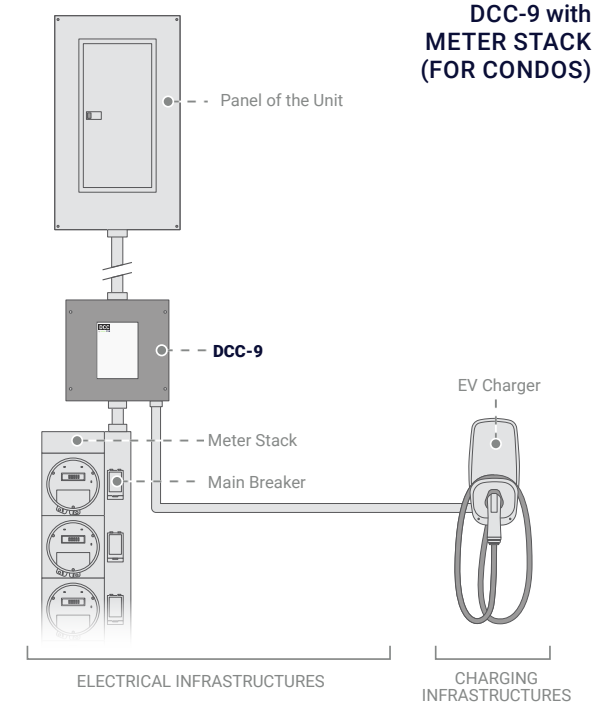
- Ideal when no more breaker slots are available in a panel
- Does not affect load calculation of a panel
- Automatic billing of electricity by the utility for multi-unit residential building installations.
- Can be ceiling or wall mounted.
- NEMA 3R enclosure available for outdoor installations.

INCLUDED

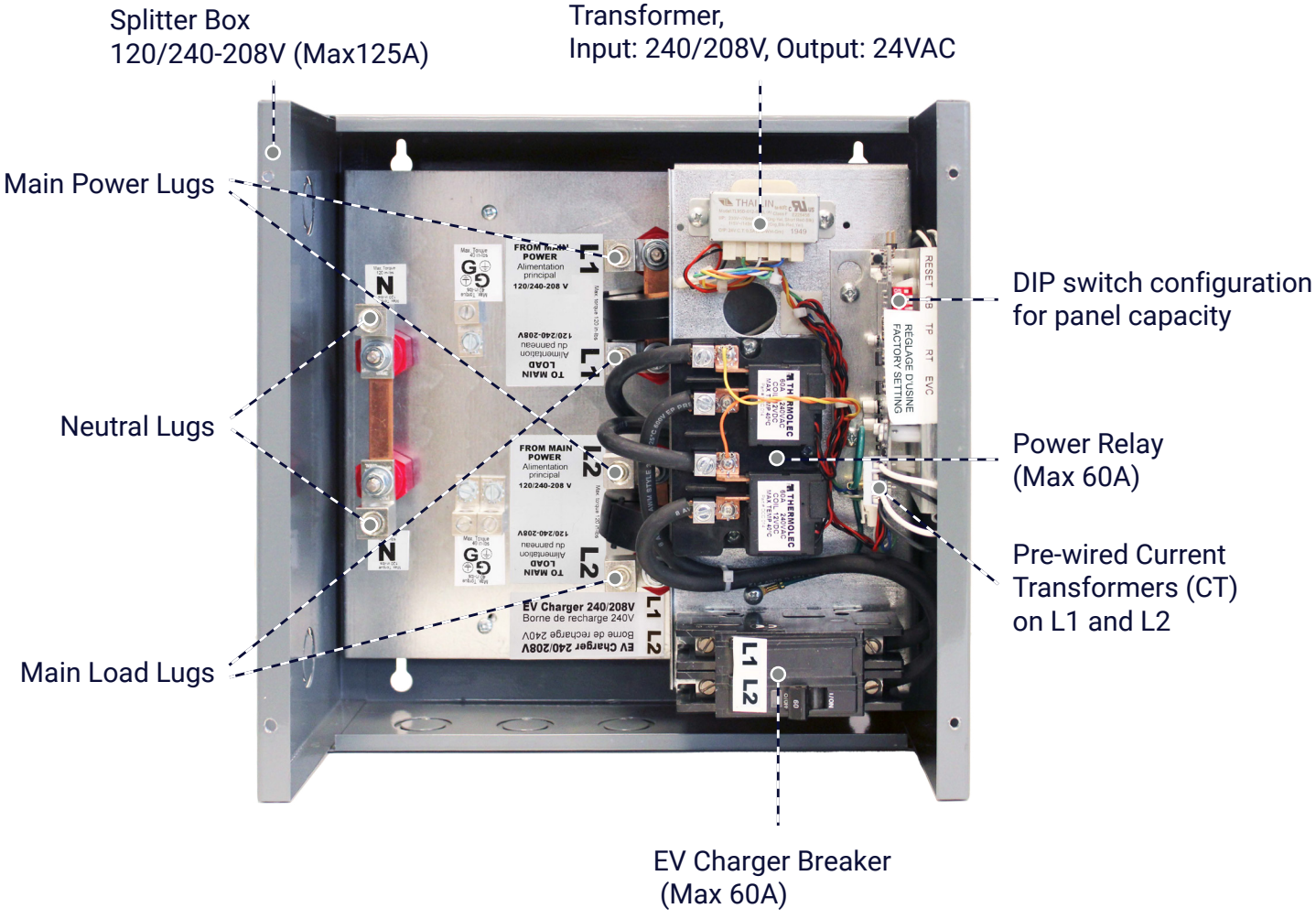
- Electric Vehicle Energy Management System
- Splitter Box (Max 125A)
- EV Charger Breaker (Max 60A)
- 2 Pre-Wired Current Transformers (CT)

INSTALLATION EXAMPLES

DCC-9 with METER STACK (FOR CONDOS)

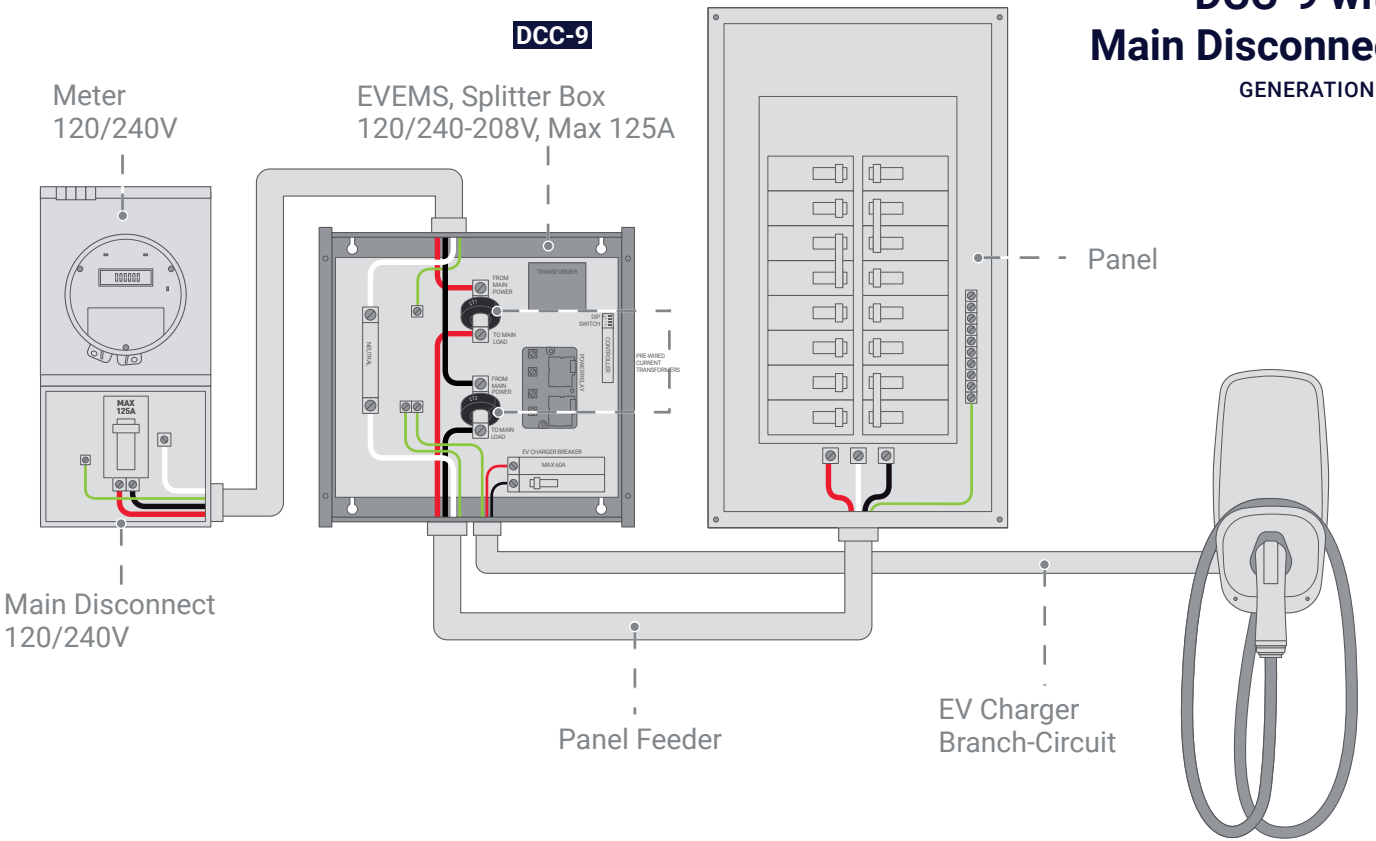


INTERNAL COMPONENTS


Splitter Box
120/240-208V (Max125A)
Transformer,
Input: 240/208V, Output: 24VAC
Main Power Lugs
Neutral Lugs
Main Load Lugs
DIP switch configuration
for panel capacity
Power Relay
(Max 60A)
Pre-wired Current
Transformers (CT)
on L1 and L2
EV Charger Breaker
(Max 60A)
FROM MAIN POWER
Alimentation principal
120/240-208 V
TO MAIN LOAD
Alimentation du panneau
120/240-208V
EV Charger 240/208V
Borne de recharge 240V
THERMOLEC
RESET
TP
RT
EVC
REGLAGE D'USINE
FACTORY SETTING

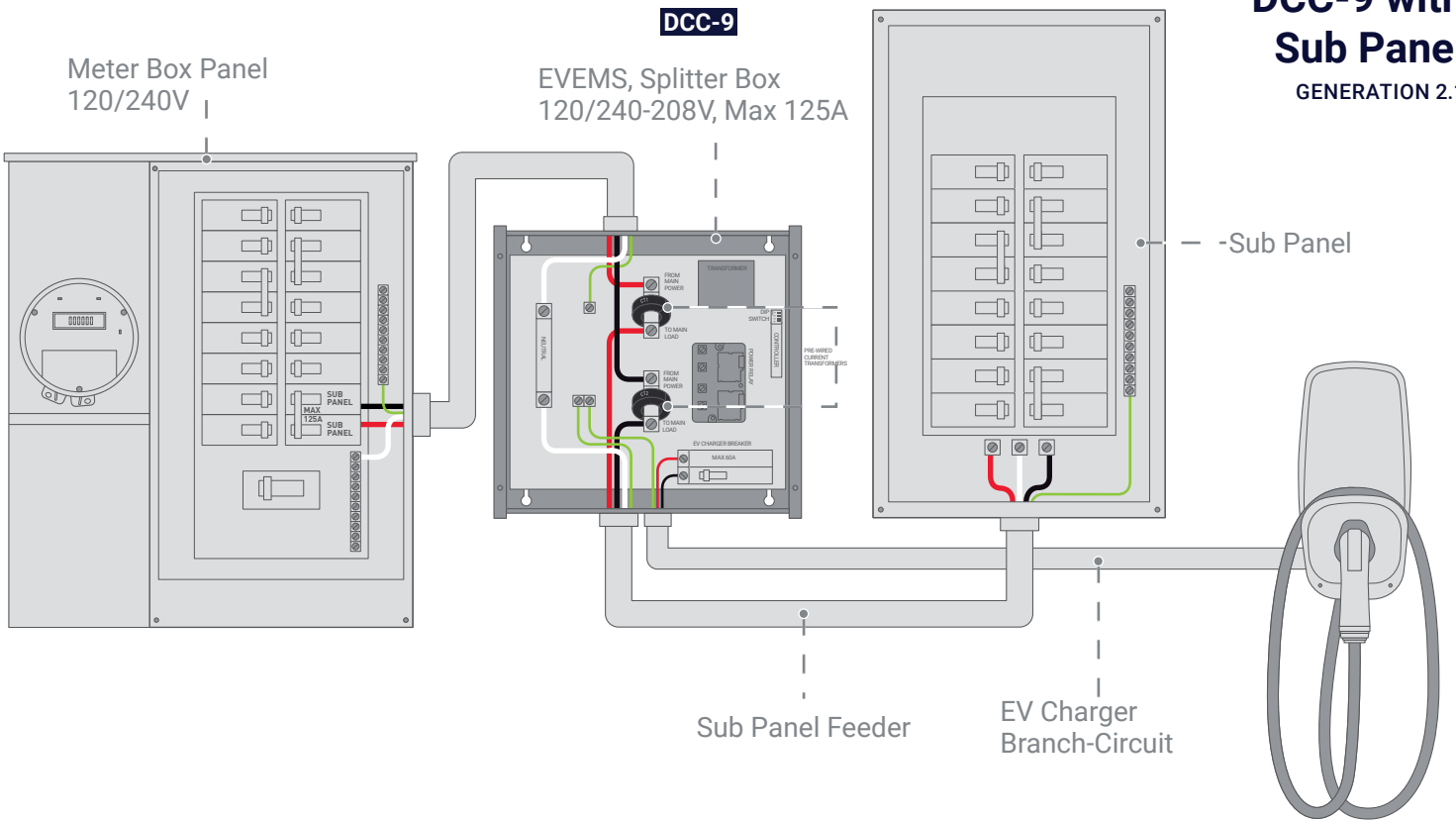
DCC-9 with Main Disconnect

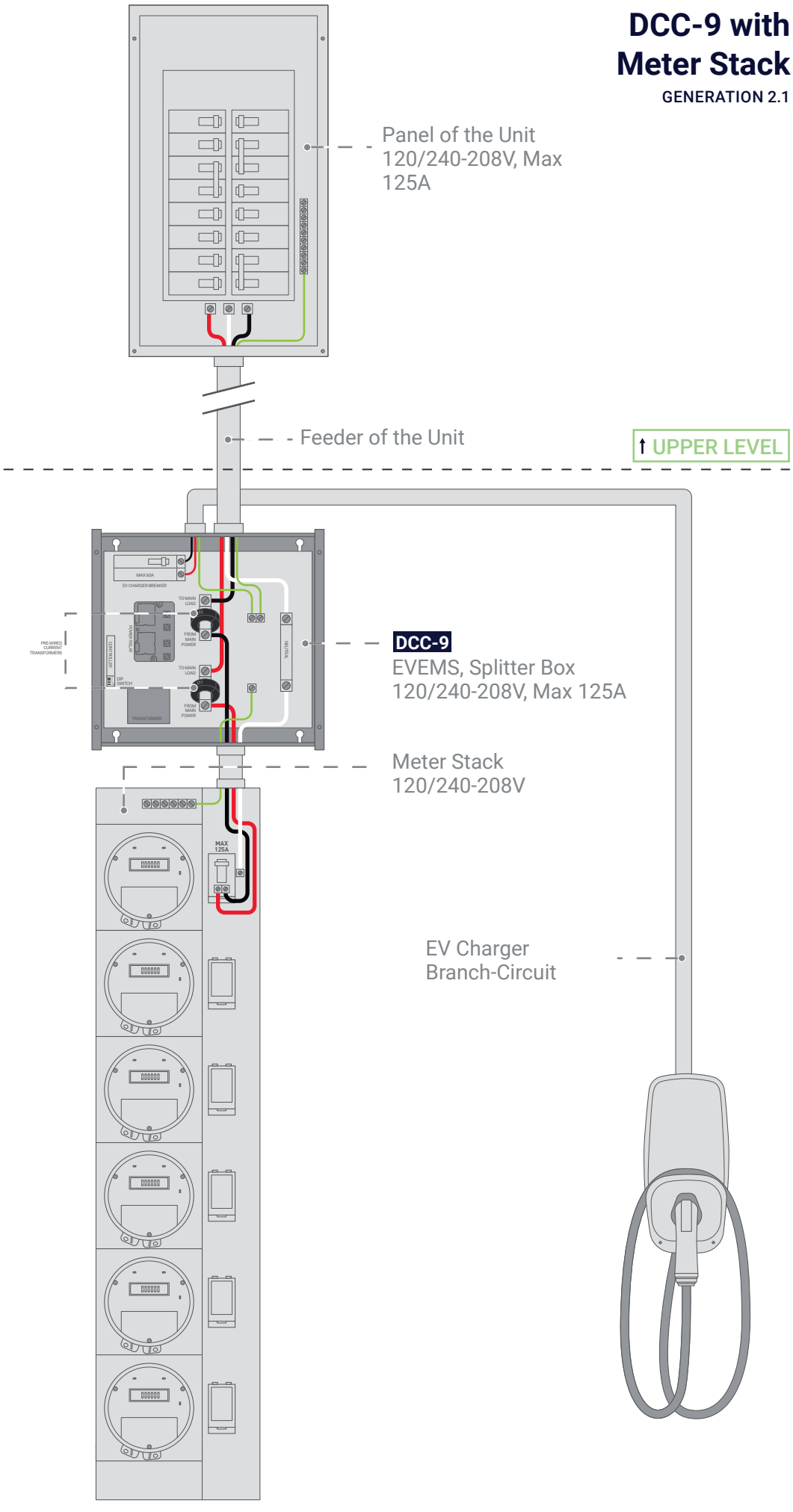
GENERATION 2.1



DCC-9 with Sub Panel

GENERATION 2.1



DCC-9 with Meter Stack

GENERATION 2.1