Specification sheet

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 capacity for more than 15 minutes.

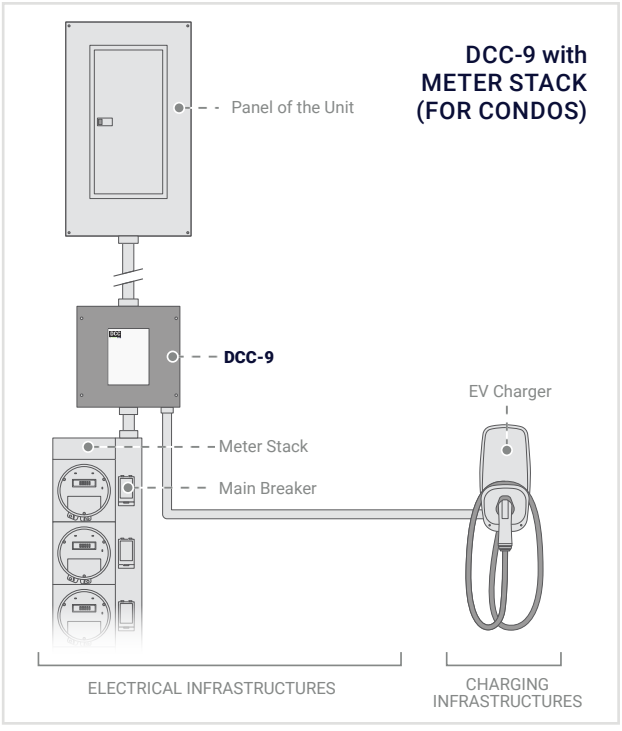
FEATURES

- 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.
- NEMA 3R enclosure available for outdoor installations.

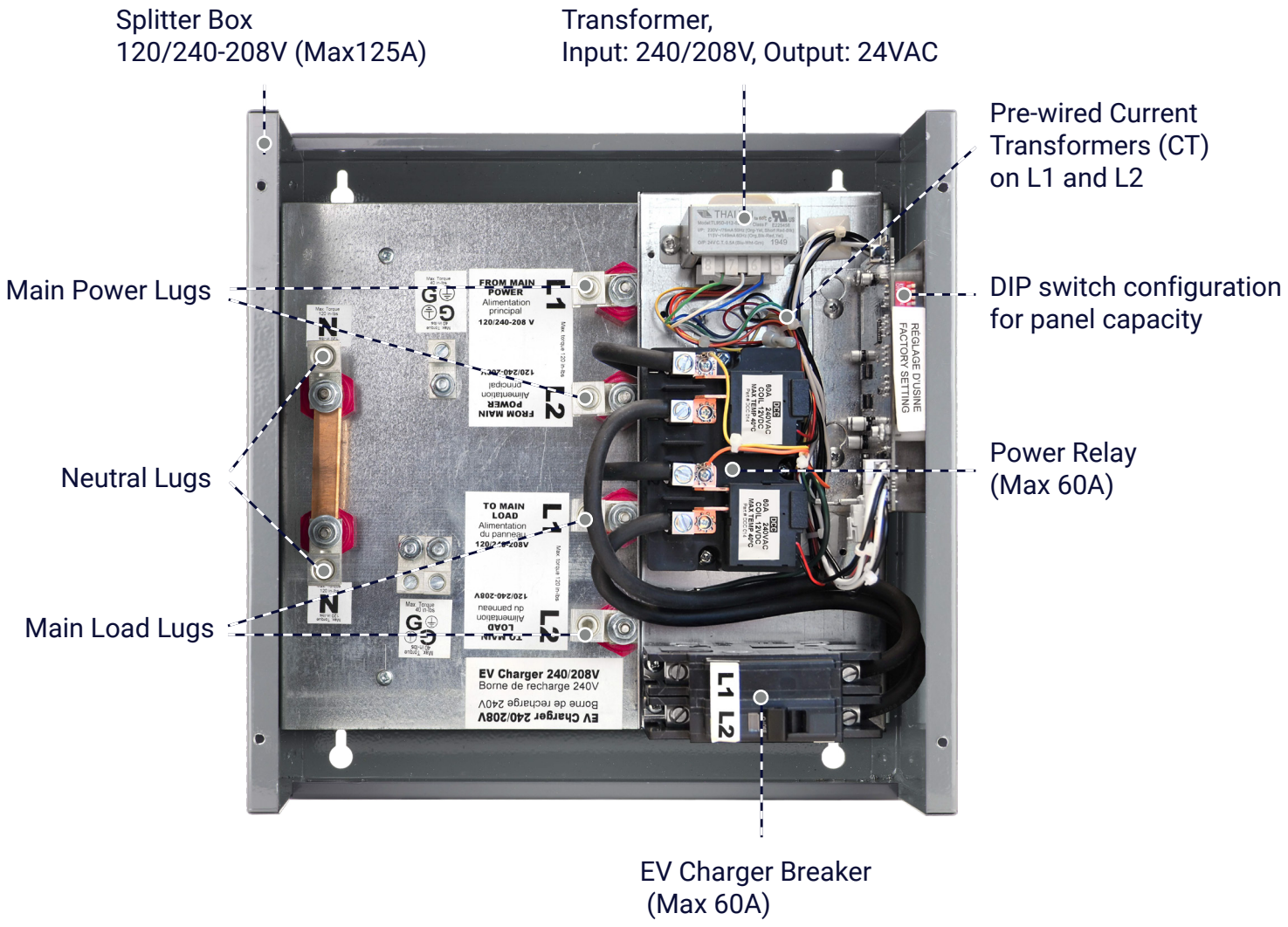
INCLUDED

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

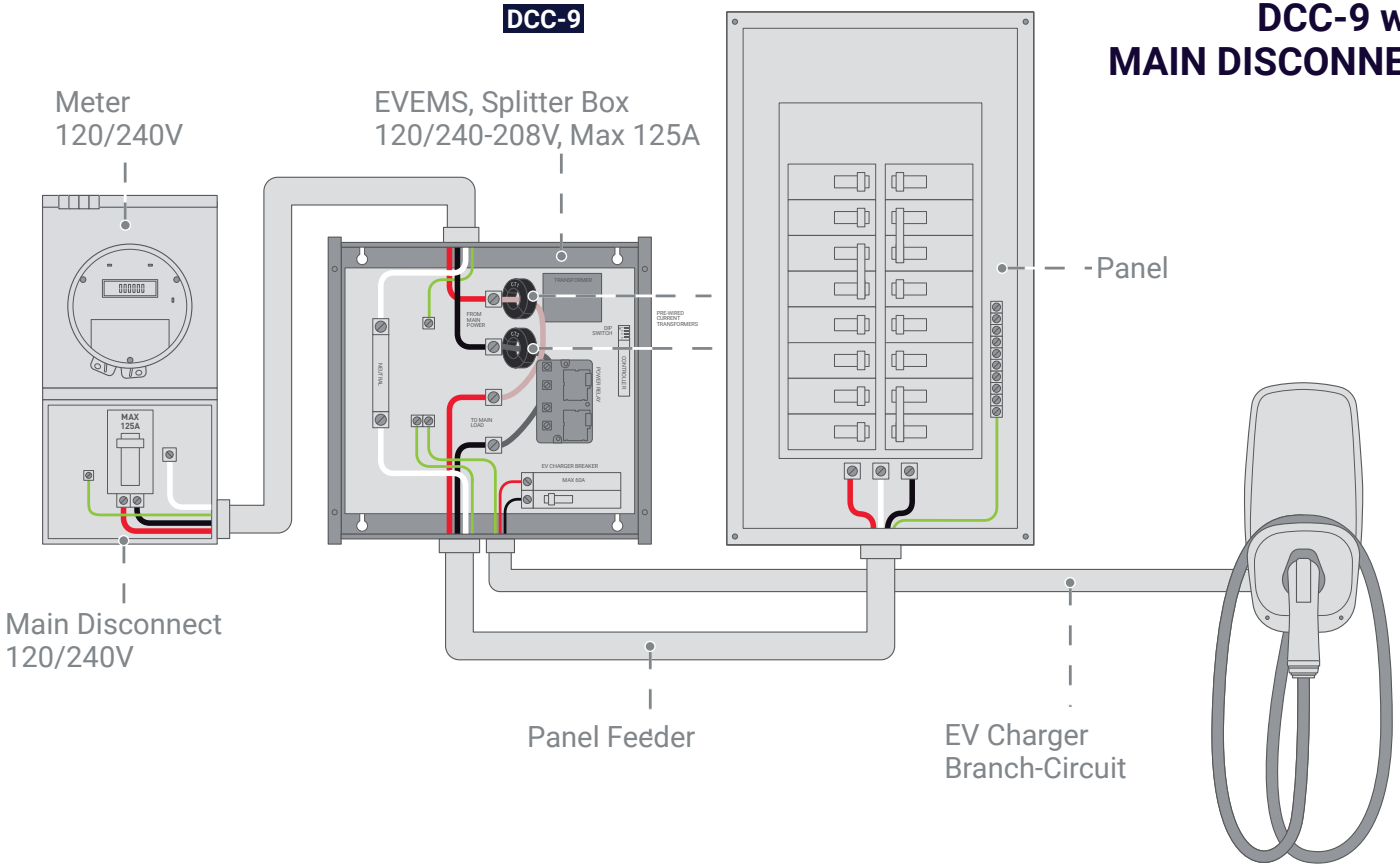
INSTALLATION EXAMPLES



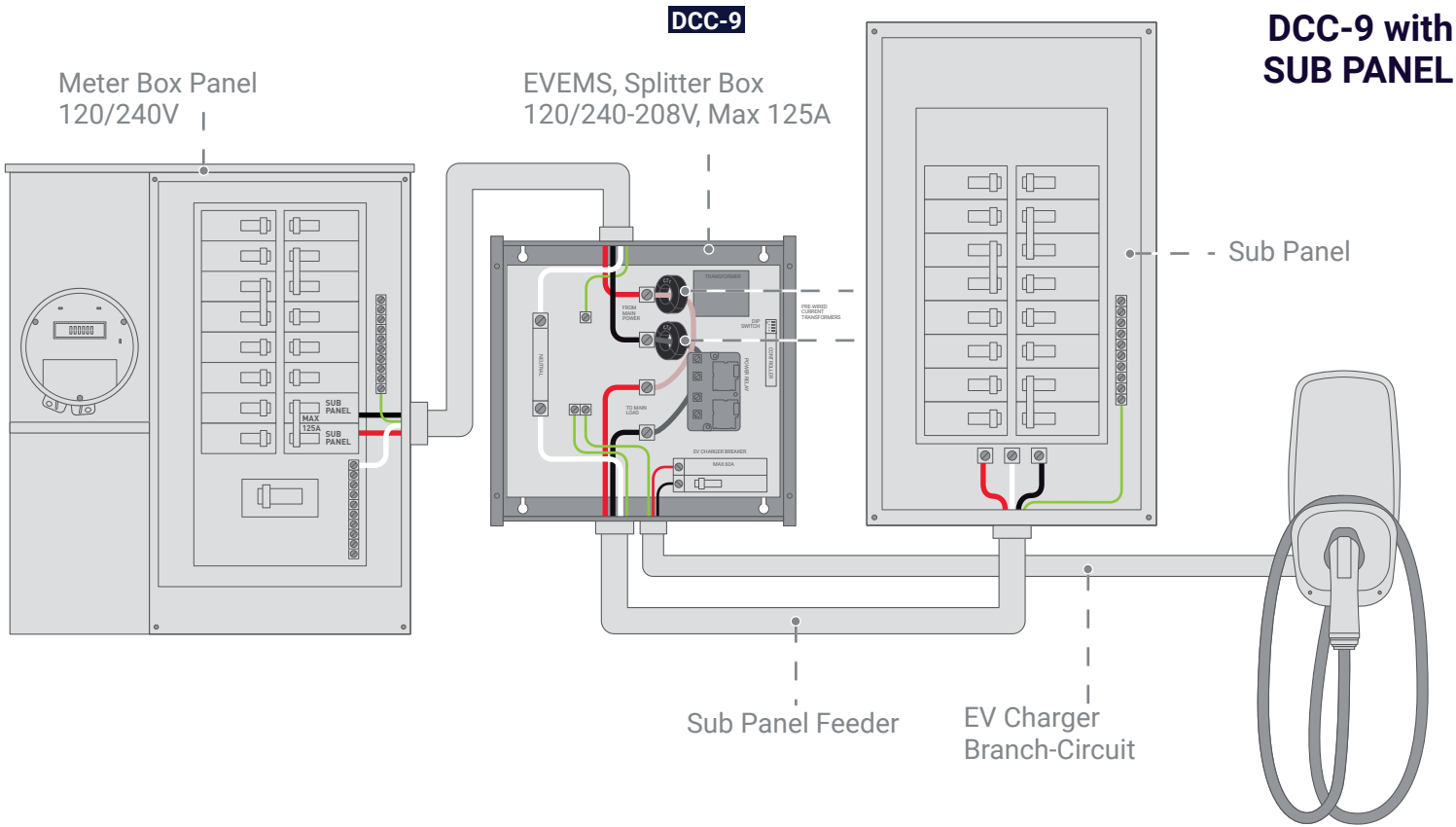
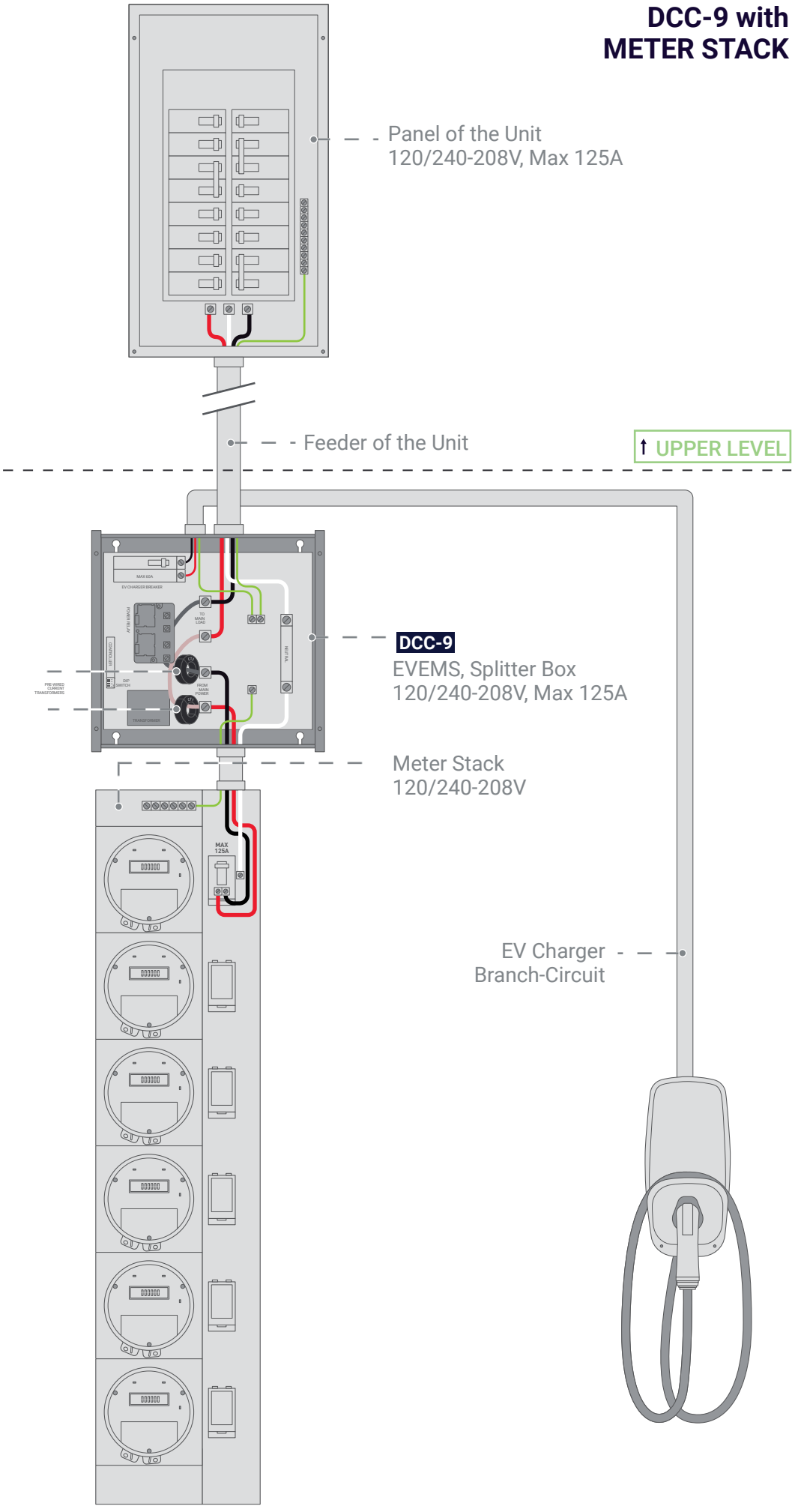
INTERNAL COMPONENTS


Splitter Box
120/240-208V (Max125A)
Transformer,
Input: 240/208V, Output: 24VAC
Pre-wired Current Transformers (CT) on L1 and L2
Main Power Lugs
DIP switch configuration for panel capacity
Neutral Lugs
Power Relay (Max 60A)
Main Load Lugs
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
L1
L2
N
G
RÉGLAGE D'USINE
FACTORY SETTING

DCC-9 with MAIN DISCONNECT



DCC-9 with SUB PANEL



DCC-9 with METER STACK