



ENERGY MANAGEMENT SYSTEM AND PRODUCT CATALOG



Products that optimize the existing electrical infrastructure of multifamily buildings (condos and rentals, new builds and retrofits) and single-family homes. For EV charging and other types of loads.



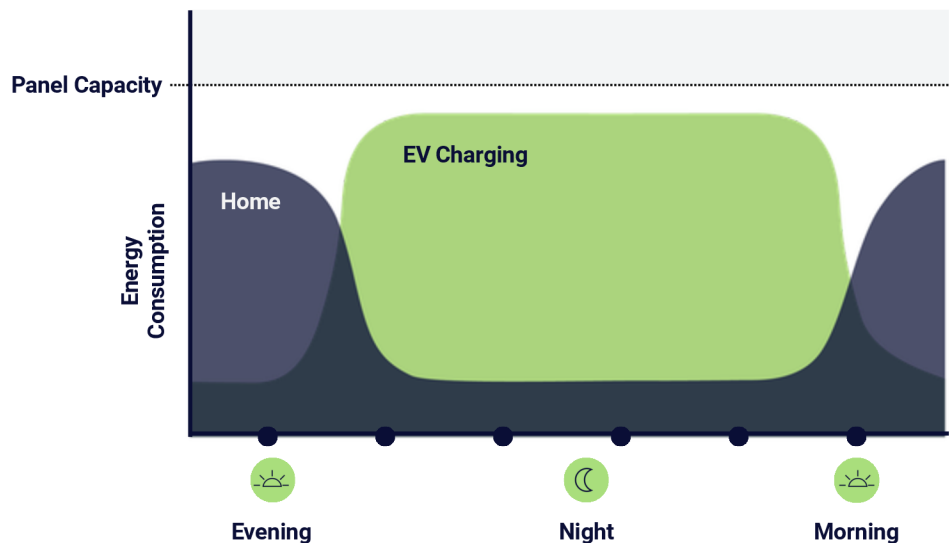
rve.ca

Canada - 2026. V1



SAY HELLO TO **SMART** **AND SIMPLE** ENERGY MANAGEMENT.

The RVE Solution aims to **meet the charging needs of all** installation contexts and **maximize a building's energy use** in order to promote responsible and **optimal charging of electric vehicles**.



0 added load
panel upgrades
recurring fees
subscriptions
worries!

100% future-proof
safe
effortless

10+
years of experience in the
EV charging market

55 000+
EV-Ready homes thanks to the RVE Solution

The Murbly Service

murbly

Designed for condominium boards, property managers, and unit owners, Murbly simplifies every step of EV charging infrastructure planning and deployment.

From initial assessment to implementation, Murbly provides **expert guidance, tailored resources, and turnkey support** to help building stakeholders confidently move forward with their electrification projects.

- ✓ Simplified process
- ✓ Energy consumption analysis to protect existing electrical infrastructure
- ✓ Customized charging strategy
- ✓ Transparent communication with unit owners
- ✓ And more!



What This Means for You

For electricians and industry professionals, Murbly becomes a **powerful strategic partner**. When clients are informed, aligned, and confident, **you can move projects forward with greater efficiency and fewer roadblocks**.

By educating and guiding property managers and condominium associations early in the process, Murbly helps:

- **Clarify project** scope and expectations
- **Accelerate decision-making**
- **Reduce friction** during planning and approvals
- **Increase project success rates**

Recommend Murbly to Your Clients

Building stakeholders can benefit from a **free initial consultation** with the Murbly team to properly launch their EV charging project.

Share the
Murbly website
with clients!



PRODUCT RANGE

Discover our two product series specially designed to meet the diverse needs of residential installations:



Connected Series

DCC+, SMP+, and HUB product lines
For smart, connected multi-level energy management and load shedding.
For multifamily buildings.

Your go-to
for protection,
scalability, and
optimized
EV charging.

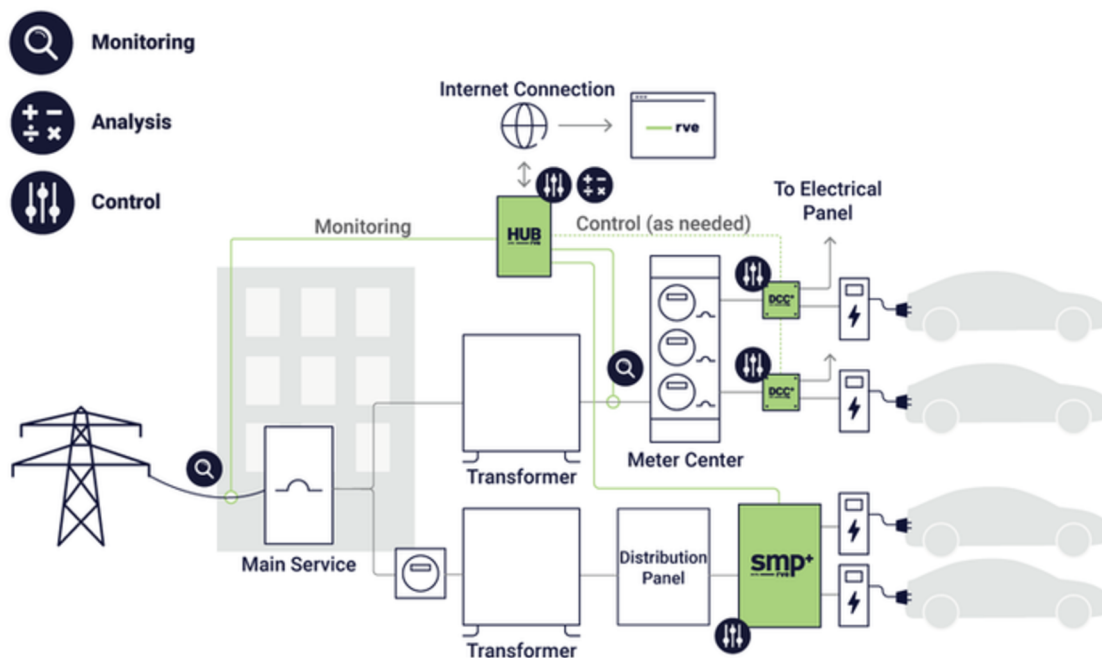


Individual Series

DCC product line
Perfect for autonomous and efficient energy management at the individual infrastructure's level.
For single-family homes and multifamily buildings.



Fully designed
and manufactured
in Canada.
Premium quality.



BENEFITS OF RVE PRODUCTS

- ✓ **Protect** a building's electrical infrastructure by **preventing overloads** and ensuring **full disconnection** during outages or emergencies.
- ✓ **Eliminate costly and complex upgrades** to existing electrical infrastructure: no need to replace electrical panels at full capacity.
- ✓ **Reduce the costs** associated with **home charging**: no recurring fees, management fees, or billing fees for standard features.
- ✓ **Simplify** electricity **billing** for all stakeholders.
- ✓ **Future-proof**: ready for future EV needs and technologies.
- ✓ **Compatible with all models of electric vehicles**, charging stations, and electrical panels.
- ✓ **Certified to the highest industry standards.**
- ✓ **Canadian Electrical Code (CEC) compliant.**
- ✓ Unique and entirely **manufactured in Canada.**

INDIVIDUAL CHARGE CONTROLLER



The DCC is a patented* charge controller that is installed on the individual infrastructure of a dwelling or house and **allows a charging station to be installed without having to change the electrical panel**, even if it is already at maximum capacity.

*PAT. NO. 10.485.539

How it works

- 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 cuts power to the EV charger;
- Automatically restores power to the EV charger when total power consumption falls below 80% of main circuit breaker capacity for more than 15 minutes.

Advantages

- Direct billing, no management required
- No recurring costs, no subscription fees, no management fees
- No panel upgrades necessary
- Quick and easy installation

Planning a multifamily installation? You'll want a HUB too. See p. 14-15

Is the DCC inspector approved?

Yes, all DCC devices are industrial rated and UL Listed and/or CSA Certified. Scan to see product attestation:



Does the DCC comply with the electrical code?

DCC is fully compliant with national and local electrical codes in Canada.

We encourage our customers to speak with their local inspector prior to their first order for product approval and familiarization.

DCC MODELS

						Connected Series	
	 DCC-9	 DCC-11	 DCC-10	 DCC-12	 DCC-BOX	 DCC-9+	 DCC-11+
Turn to this page to learn more	p. 6	p. 6	p. 7	p. 7	p. 11	p. 16	p. 16
Multifamily building	✓	✓			✓	✓	✓
Single-family home			✓	✓			
Main entrance capacity	60-125A	150-200A	60-200A	60-200A	60-200A**	60-125A	150-200A
Model available for outdoor installation	✓		✓	✓	✓	✓	
Connection to the main power supply/accessible meter cable	✓	✓			✓	✓	✓
Connection to the main panel			✓	✓			
Built-in circuit breaker	✓	✓	✓		Not applicable	✓	✓
Ready to connect a charger	✓	✓	✓	✓	✓ With the PCB	✓	✓
Connects to the HUB						✓	✓
Can be upgraded to DCC+ to connect to the HUB	✓	✓	✓	✓	✓ With the PCB	Not applicable	Not applicable

** Depending on the model.

TECHNICAL SPECIFICATIONS



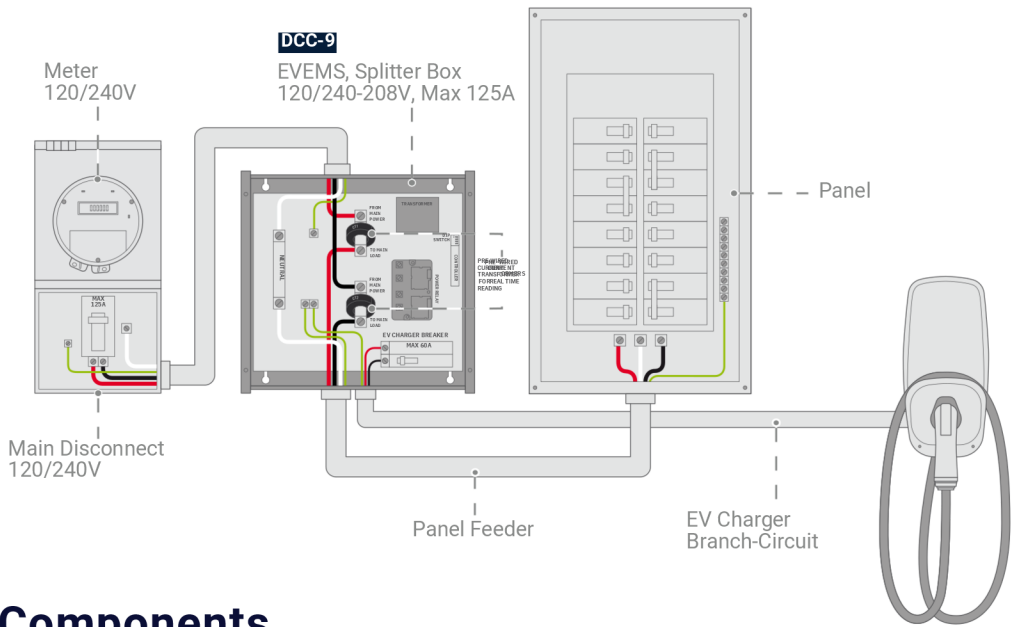
MODELS	BREAKER	MAIN POWER SUPPLY							
		60A	70A	80A	90A	100A	125A	150A	200A
DCC-9-30A	EV charger 30A	✓	✓	✓	✓	✓	✓	✓	✓
DCC-9-40A	40A	✗	✗	✓	✓	✓	✓	✗	✗
DCC-9-50A	50A	✗	✗	✗	✗	✓	✓	✗	✗
DCC-9-60A	60A	✗	✗	✗	✗	✓	✓	✗	✗
DCC-11-30A	30A	✗	✗	✗	✗	✗	✗	✓	✓
DCC-11-40A	40A	✗	✗	✗	✗	✗	✗	✓	✓
DCC-11-50A	50A	✗	✗	✗	✗	✗	✗	✓	✓
DCC-11-60A	60A	✗	✗	✗	✗	✗	✗	✓	✓
Voltage and wiring		240/208V AC single phase: L1, L2, Neutral, Ground.							
Terminals size		DCC-9 up to 2/0 (CU/AL)							
		DCC-11 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: 75 in-lbf / Ground: 50 in-lbf / Breaker terminals: 45 in-lbf							
	Models	Dimensions* (H" x W" x D")			Total weight*				
	DCC-9	12" x 12" x 7.5"			17 lb (7,71 kg)				
	DCC-11	16" x 16" x 8"			23 lb (10,43 kg)				

DCC* also available for HUB compatibility. See p. 16

DCC-9 DCC-11



Installation Example: DCC-9 with Main Disconnect

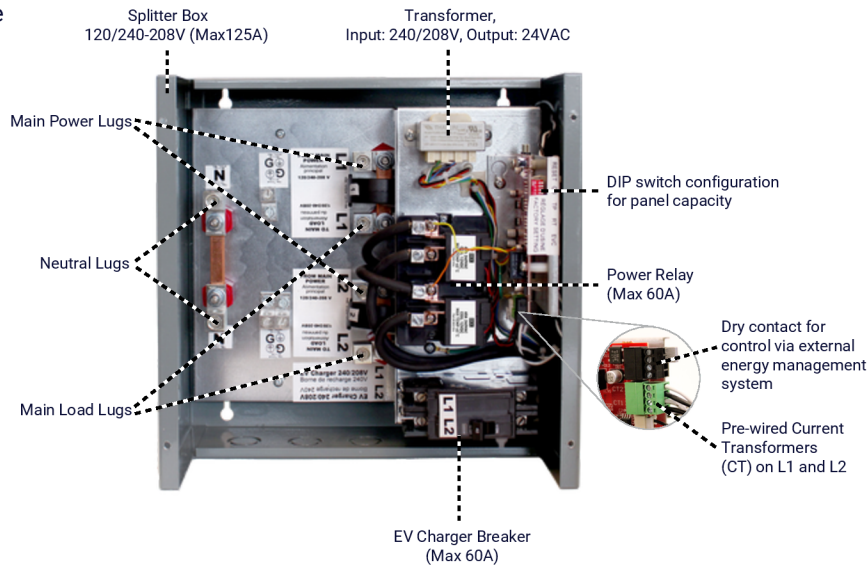


DCC-9 Full specs



Internal Components

DCC-9 shown for reference



DCC-11 Full specs



TECHNICAL SPECIFICATIONS

BREAKER	MAIN POWER SUPPLY										
EV charger	30A	40A	50A	60A	70A	80A	90A	100A	125A	150A	200A
20A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30A	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40A	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
50A	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓
60A	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
70A	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓
80A	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
90A	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓
100A	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓
Voltage and wiring											
240/208V AC single phase: L1, L2, Neutral, Ground.											
Frequency											
50 à 60 Hz											
Operation temperature											
-22°F à 113°F (-30°C à 45°C)											
Rated											
NEMA 3R											
Wire Gauge Size											
2 to 12 AWG**											
Max torque											
Relay terminals: 50 in-lbf											
Dimensions* (H" x W" x D")											
11" x 8" x 5"											
Total weight*											
8 lb (3,63 kg)											
*Approximative and can change without notice.											
** See Connecting aluminum conductors section in the Installation manual											

COMPATIBLE
WITH LOADS
UP TO 100 A

NEW
Built-in circuit
switching
(load miser)
feature

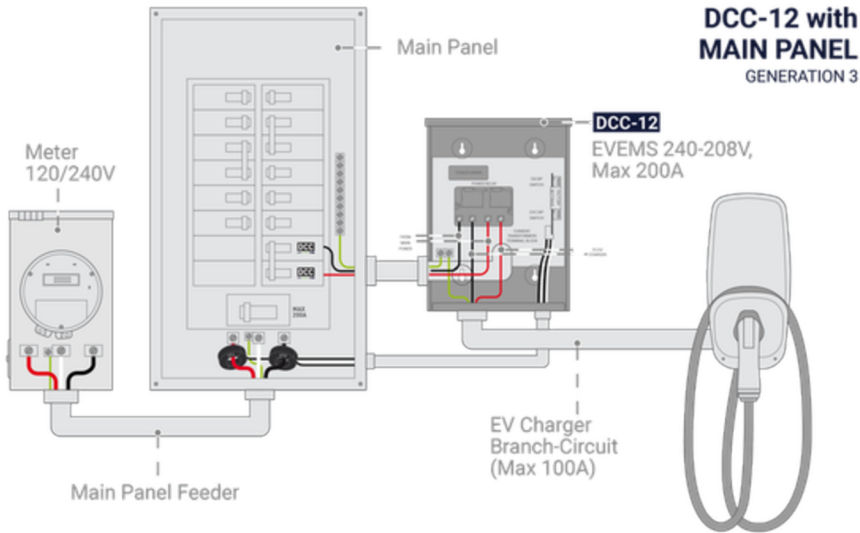


DCC-12



2 split-core
CTs included

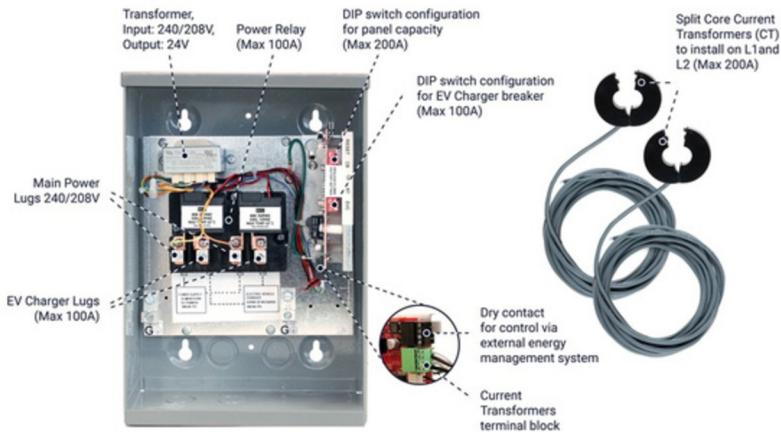
Installation Example: with Main Panel



DCC-12
Full specs



Internal Components



Flexible (Rogowski) CTs
also available to order.

DCC-10

Also available is the DCC-10; same function as the DCC-12 but with a built-in circuit breaker.

OTHER DCC APPLICATIONS

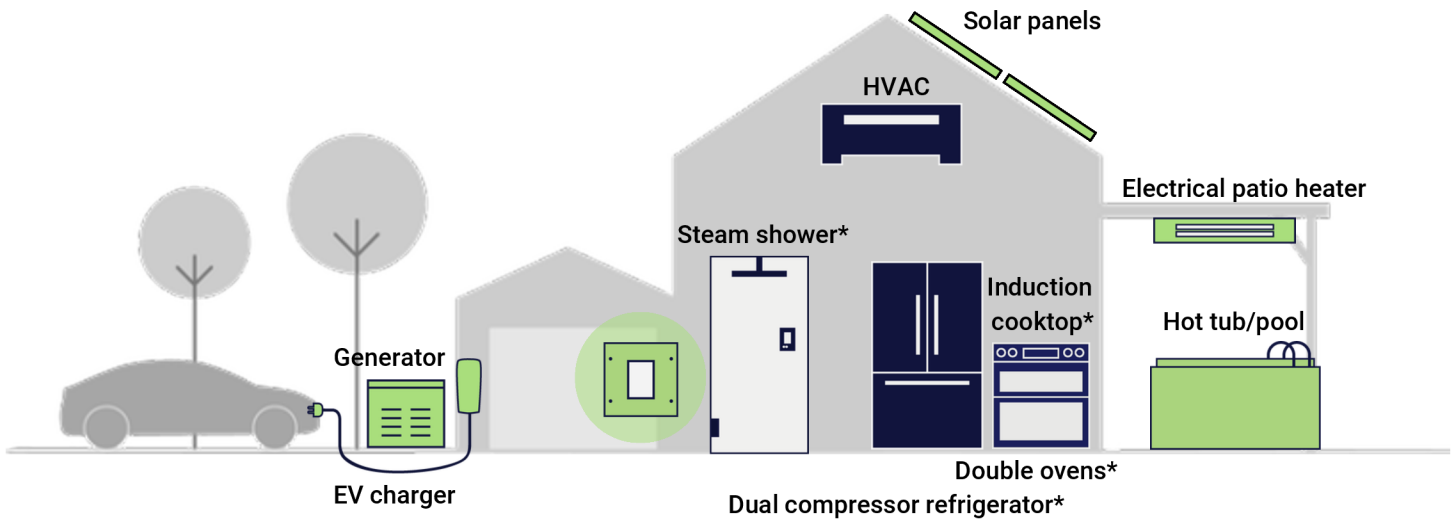


INDOOR AND OUTDOOR LOADS

Patented as an industrial load controller, the DCC can be connected to:

- resistive loads up to 100 A (80 A continuous)
- inductive loads up to 50 A (40 A continuous)

As long as applicable electrical codes are respected and the system is installed by a certified professional, the DCC **can be used for any power-heavy, non-essential or non-critical loads, with continuous or non-continuous draws** that fall within the amperage range indicated in our documentation.



Other scenarios not pictured or mentioned here might also benefit from a DCC installation. Learn more by scanning the following QR code:



*While the DCC won't be connected directly to these appliances, adding such loads to the electrical panel might require a DCC to be installed for managing another non priority load such as an EV charging station or HVAC unit.

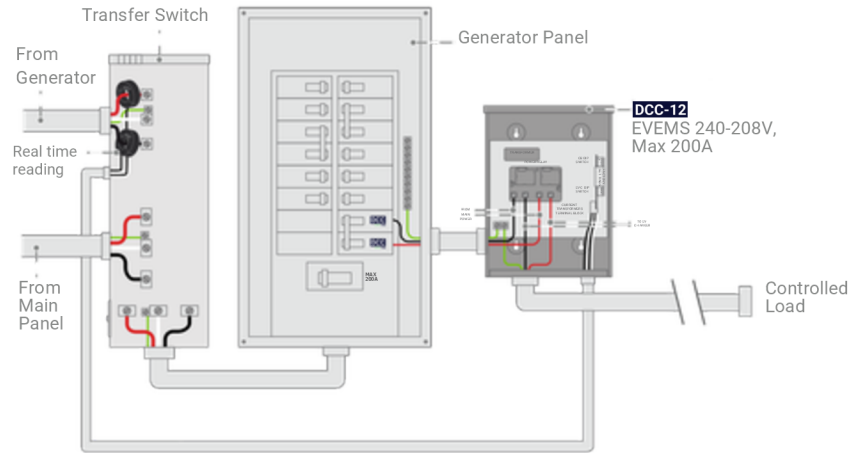
It is the installer's responsibility to make sure that the electric power source is adequate for the use of the DCC.

RVE assumes no responsibility for the configuration of any DCC model installation.

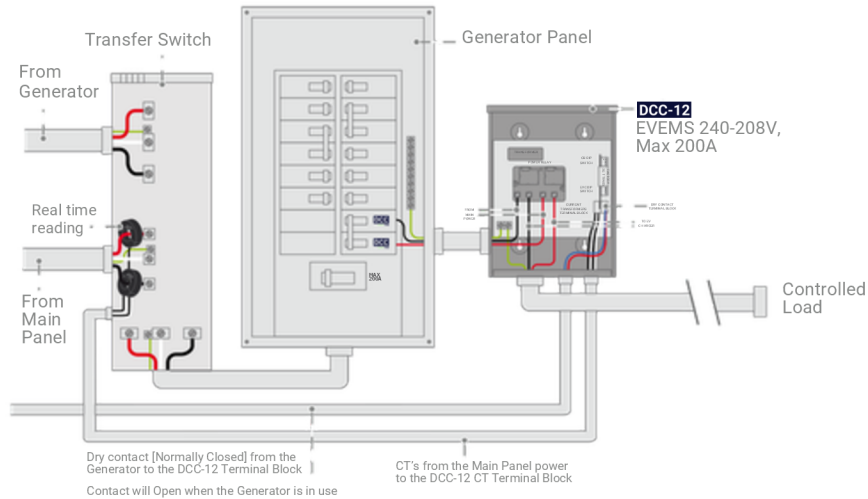
with a GENERATOR PANEL

DCC-12

Example A

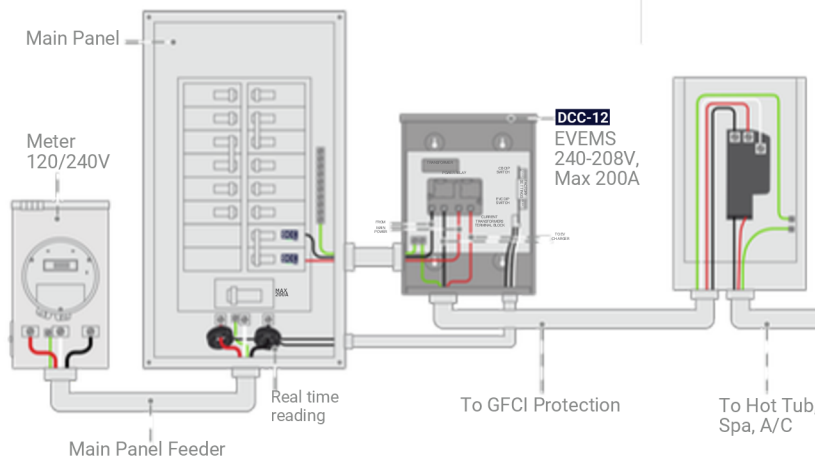


Example B



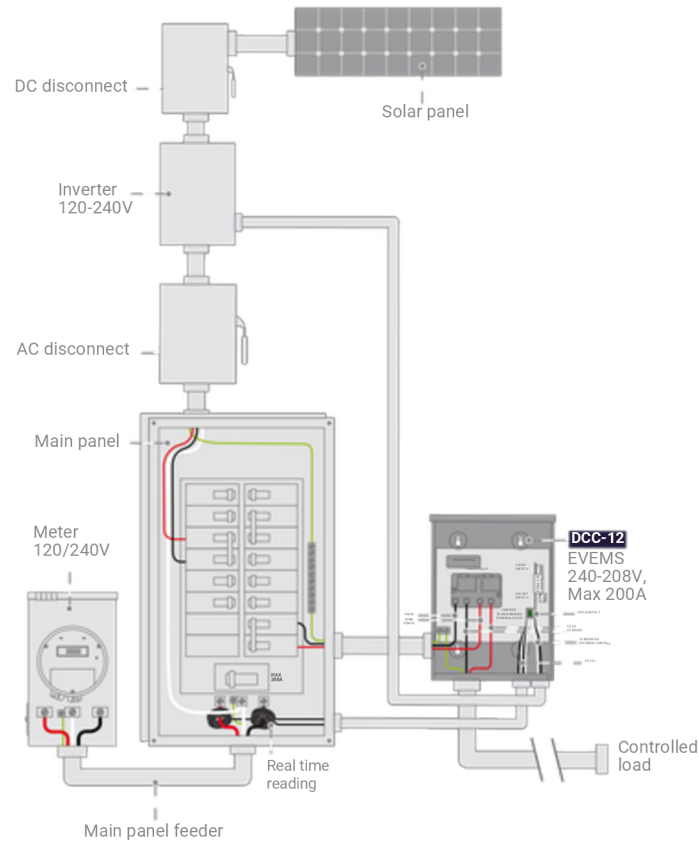
with HOT TUB OR A/C

DCC-12

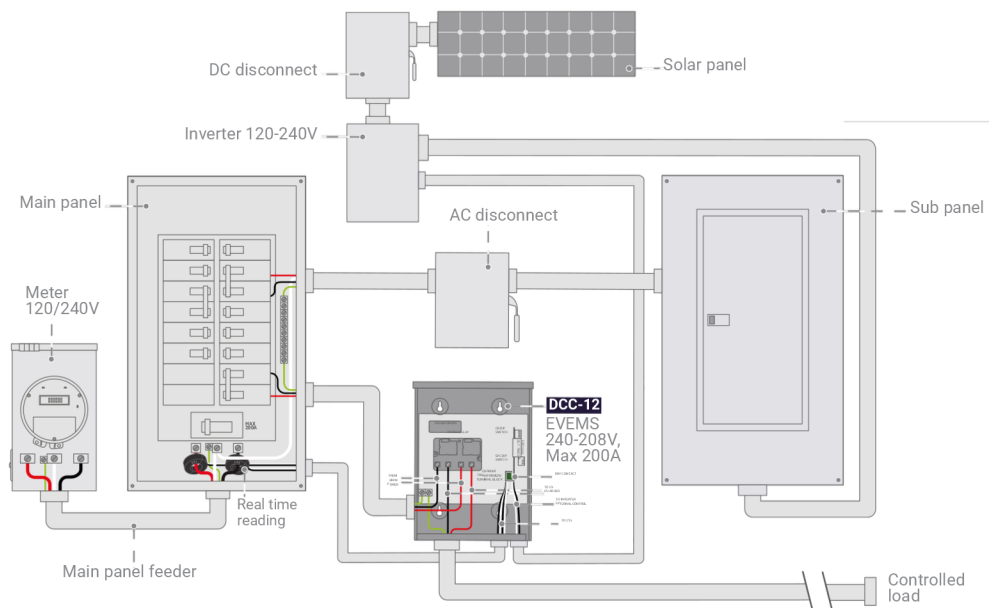


These schemas are designed with the consultation of an electrician and are to be used for educational purposes only and are not to be used for the purpose of installation. It is the installer's responsibility to make sure that the electric power source is adequate for the use of the DCC. RVE assumes no responsibility for the configuration of any DCC model installation.

Example A (MAIN PANEL)



Example B (SUB PANEL)



These schemas are designed with the consultation of an electrician and are to be used for educational purposes only and are not to be used for the purpose of installation. It is the installer's responsibility to make sure that the electric power source is adequate for the use of the DCC. RVE assumes no responsibility for the configuration of any DCC model installation.

TECHNICAL SPECIFICATIONS



DCC-9-BOX

DCC-11-BOX



DCC-9-BOX6



DCC-9-BOX3



DCC-11-BOX



DCC-9-BOX



DCC-9-BOX-3R

DCC-BOX is a splitter box specifically designed to make a building's electrical infrastructure fully ready for electric vehicles at the lowest possible price.

It allows the connection of the main power supply and the power supply of the EV charger while reducing the initial cost of installation.

Each DCC-BOX model can be supplemented to allow connection of an EV charger by adding the DCC-PCB-XXA electronic infrastructure.

The DCC-9-BOX can be powered by a 240/208V AC single-phase power source, max 125A. The DCC-11-BOX can be powered by a 240/208V single-phase power source, 150A-200A.



MODELS	MAIN POWER SUPPLY								DIMENSIONS* (H" x W" x D")	TOTAL WEIGHT*
	60A	70A	80A	90A	100A	125A	150A	200A		
DCC-9-BOX	✓	✓	✓	✓	✓	✓	✗	✗	12" x 12" x 7.5"	11 lb (4,99 kg)
DCC-9-BOX-3R	✓	✓	✓	✓	✓	✓	✗	✗	14" x 13" x 8"	12 lb (5,44 kg)
DCC-9-BOX3	✓	✓	✓	✓	✓	✓	✗	✗	45" x 14" x 9"	40.5 lb (18,37 kg)
DCC-9-BOX6	✓	✓	✓	✓	✓	✓	✗	✗	78" x 14" x 9"	81 lb (36,74 kg)
DCC-11-BOX	✗	✗	✗	✗	✗	✗	✓	✓	16" x 16" x 8"	20 lb (9,07 kg)
Voltage and wiring	240/208V AC single phase: L1, L2, Neutral, Ground.									
Terminals size	up to 2/0 (CU/AL)									
Max torque	L1, L2, Neutral: 75 in-lbf / Ground: 50 in-lbf									
Certifications	 									
*Approximative and can change without notice.										V8

DCC-BOX
Full specs



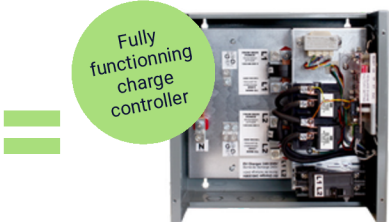
DCC-BOX

Splitter Box



DCC-PCB

Electronic Components



DCC

Charge Controller

TECHNICAL SPECIFICATIONS



DCC-PCB is the electronic infrastructure that fits inside the DCC-BOX and allows the connection of an EV charger to the main feeder of a panel without affecting the load calculation.

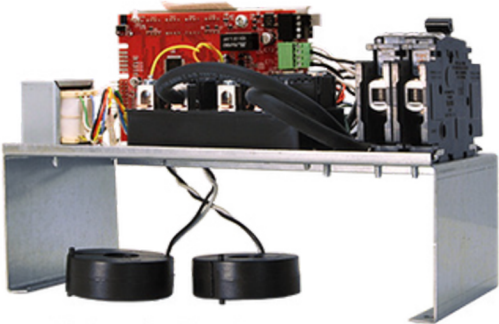
Once the DCC-PCB has been added to the DCC-BOX, the whole unit functions as a complete DCC (see pages 6, 7 and 16).

To complete a DCC-9-BOX, use the DCC-9-PCB or DCC-9-PCB+.
To complete a DCC-11-BOX, use the DCC-11-PCB or DCC-11-PCB+.

COMPATIBILITY

- DCC-9-BOX - DCC-9-BOX3
- DCC-9-BOX-3R - DCC-9-BOX6
- DCC-11-BOX

DCC-9-PCB DCC-11-PCB
DCC-9-PCB+ DCC-11-PCB+



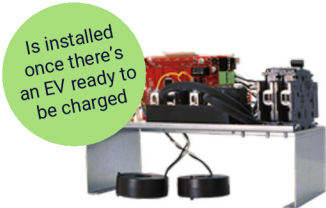
MODELS	BREAKER	MAIN POWER SUPPLY								
		EV charger	60A	70A	80A	90A	100A	125A	150A	200A
DCC-9-PCB-30A	30A	✓	✓	✓	✓	✓	✓	✗	✗	
DCC-9-PCB-40A	40A	✗	✗	✓	✓	✓	✓	✗	✗	
DCC-9-PCB-50A	50A	✗	✗	✗	✗	✓	✓	✗	✗	
DCC-9-PCB-60A	60A	✗	✗	✗	✗	✗	✓	✗	✗	
DCC-11-PCB-30A	30A	✗	✗	✗	✗	✗	✗	✓	✓	
DCC-11-PCB-40A	40A	✗	✗	✗	✗	✗	✗	✓	✓	
DCC-11-PCB-50A	50A	✗	✗	✗	✗	✗	✗	✓	✓	
DCC-11-PCB-60A	60A	✗	✗	✗	✗	✗	✗	✓	✓	
Frequency		50 to 60 Hz								
Operation temperature		-22°F to 113°F (-30°C to 45°C)								
Max torque		Relay terminals: 40 in-lbf Breaker terminals: 45 in-lbf								
Total weight*		6 lb (2,72 kg)								
*Approximative and can change without notice.										

DCC-PCB
Full specs



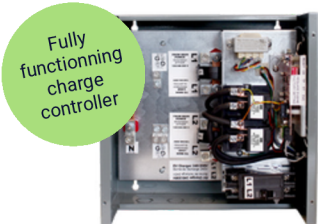
DCC-BOX

Splitter Box



DCC-PCB

Electronic Components



DCC

Charge Controller



Installation Example

DCC-9 DCC-BOX

DCC-9-BOX3 DCC-9-BOX6

144-UNIT MID-RISE CONDO RETROFIT

Scan to see the full case study:



Or scan here to see more case studies:



TECHNICAL SPECIFICATIONS

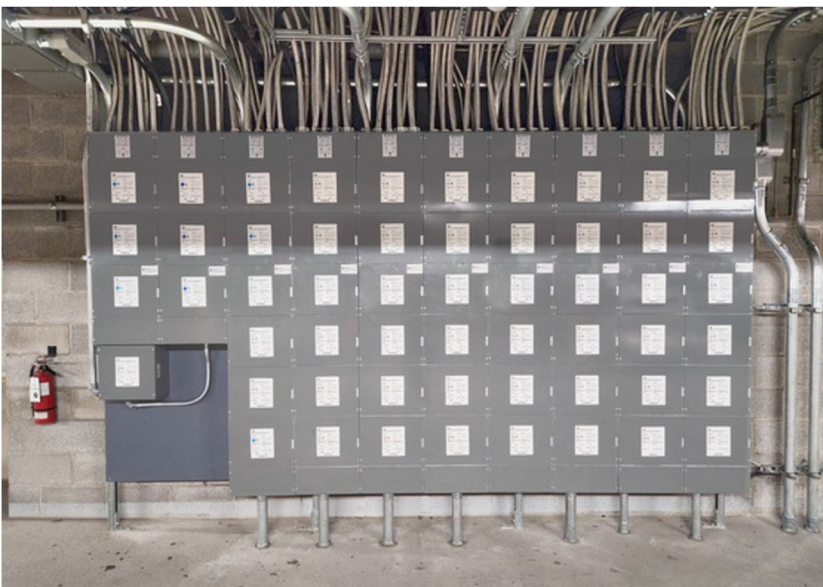
Type of construction	existing building (retrofit)
Type of occupancy	condo
Number of floors	6
Number of parking spaces	72
Electricity meters' location	accessible
Parking spaces	indoors, assigned

PRODUCTS USED



- **DCC-9-BOX, DCC-9-BOX3 and DCC-9-BOX6** to provide charging infrastructure without installing chargers right away
- **DCC-9** for units with an electrical panel of 125A and less in need of a charging station right away

72 DCCs were installed on the 2nd floor of the underground parking garage. Cable trays have been installed on the second floor of the parking for future connection of charging stations, and pull boxes have been installed for cable routing between the two parking levels.



SMART MANAGEMENT SOLUTION FOR ELECTRIC VEHICLE CHARGING



The HUB is an advanced electric vehicle energy management system (EVEMS) designed to protect critical components of a building's electrical infrastructure through intelligent monitoring and control. It safeguards existing capacity while optimizing charging performance, ensuring reliable and efficient charging for all connected vehicles.

Every team needs a captain.
Every building needs a HUB.



CONNECT PORTAL

Compatible with RVE's Connect portal, a digital solution that allows users to view monitoring and control data from the HUB, as well as from connected DCC+ and SMP units. See page 21 for more information.



CAN ICES-003(B) / NMB-003(b)



OPERATION



In Monitoring mode

To protect the electrical infrastructure, the HUB's Monitoring mode enables real-time, multi-level monitoring of the electricity consumption of several components of the infrastructure.



In Monitoring and Control mode

The Monitoring and Control mode includes all Monitoring functions.

In Monitoring and Control mode, the HUB is connected to DCC+ and/or SMP+ devices. It then becomes a full-fledged Electric Vehicle Energy Management System (EVEMS), controlling energy as well as monitoring it.

The HUB protects the electrical infrastructure by providing dynamic, intelligent energy management based on actual charging station consumption and the available electrical capacity of infrastructure components.

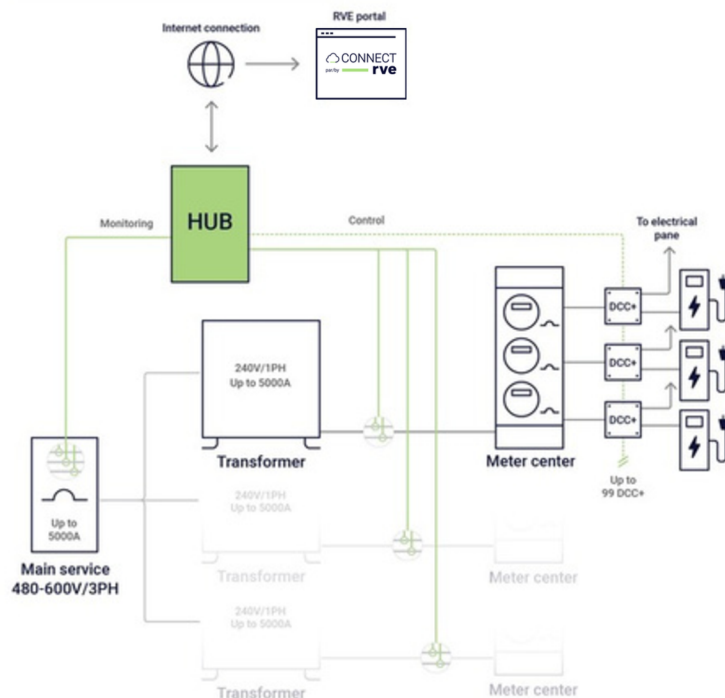
BENEFITS

Better sharing. Better management.

- Dynamic control based on charging demand and energy consumption.
- Possible integration with third parties, like a Building Management System (BMS) and electricity supplier.
- Optimal distribution of energy between several vehicles for more efficient and equitable charging.

Greater flexibility. Greater profitability.

- Can protect electrical infrastructure at several levels simultaneously.
- Reduces penalties for power demand caused by simultaneous charging of multiple electric vehicles¹.
- No recurring costs or management fees for basic features².



1. RVE cannot be held responsible for any charges related to power demand

2. Fees may apply for premium features.

TECHNICAL SPECIFICATIONS



Features of the *Monitoring mode*

- Up to 15 current transformers (CTs) can be used to monitor several components of a building's electrical infrastructure, whether single-phase (2 CTs) or three-phase (3 CTs).

Example: The HUB can monitor a three-phase main service (3 CTs) and six single-phase meter center transformers (2 CTs per transformer) i.e. 12 CTs in total).



Features of the *Monitoring and Control mode*

- Can control up to 120 DCC+ connected in series.
- Can control up to 30 SMP+ and/or HUBs connected in series.
- The HUB and its subsystems (DCC+ and SMP+) are equipped with a fail-safe mode that is activated when there is a software, hardware, or communication failure. The fail-safe mode is designed to ensure that no additional current (0 A) is added to the existing load of a building's or unit's components.

TECHNICAL ADVANTAGES

- Local intelligence:** Thanks to its local intelligence, the HUB continues to operate normally even during an Internet outage. Consumption data is then automatically synchronized, without loss of information, as soon as the connection is re-established.
- Integrated screen:** Its integrated LCD screen allows configurations to be checked and facilitates regulatory inspections.

HARDWARE AND SOFTWARE SPECIFICATIONS

Hardware specification

NEMA rating	Type 4: Protection against dust, rain, water jets, and ice formation
Dimensions (W x H x D)	12 in x 18 in x 7 in (30.5 cm x 45.7 cm X 17.8 cm)
Weight	20 lb (9 kg)
Operating voltage and wiring	100-240 VAC, 60 Hz, 3 A, 1 PH 14-8 AWG maximum
Number of feeders controlled	Up to 7 feeders or up to 15 CTs (max. 600 VAC)
Communication ports	3 RS-485 ports 1 Ethernet port
Current transformers (CT)	Compatible with the flexible type (Rogowski) or rigid type (Split Core)
Operating temperature	-22°F to 113°F (-30°C to 45°C)
Storage temperature	-4°F to 158°F (-20°C to 70°C)

HUB
Full specs



Software specifications

Communication protocol	2 BACnet ports MSTP (RS-485) to communicate with the DCC+ 1 RS-485 port to communicate with the HUB and the SMP+
Main service / feeder / CT	5000 A max. single-phase or three-phase, up to 7 feeders or 15 CTs
Types of application	347/600 VAC 3 PH 277/480 VAC 3 PH 120/208 VAC 3 PH 120/240 VAC 1 PH
Number of DCC+ controlled	Up to 120 in series (max. 99 per BACnet port)
Number of SMP+ and/or HUB controlled	Up to 30 in series ³
Internet connection	Required to access the features of the RVE Connect portal

3. Feature to come in a future software update.

CONNECTED CHARGE CONTROLLER



DCC+
per ty rve

The DCC+ stands out for its connection to the HUB, enabling multi-level energy management, thereby protecting the electrical infrastructure of the entire building in addition to the individual infrastructure of each unit.

Available in DCC-9+ and DCC-11+ models.

For the DCC+ technical specifications table, refer to the DCC spec tables on *page 6*.



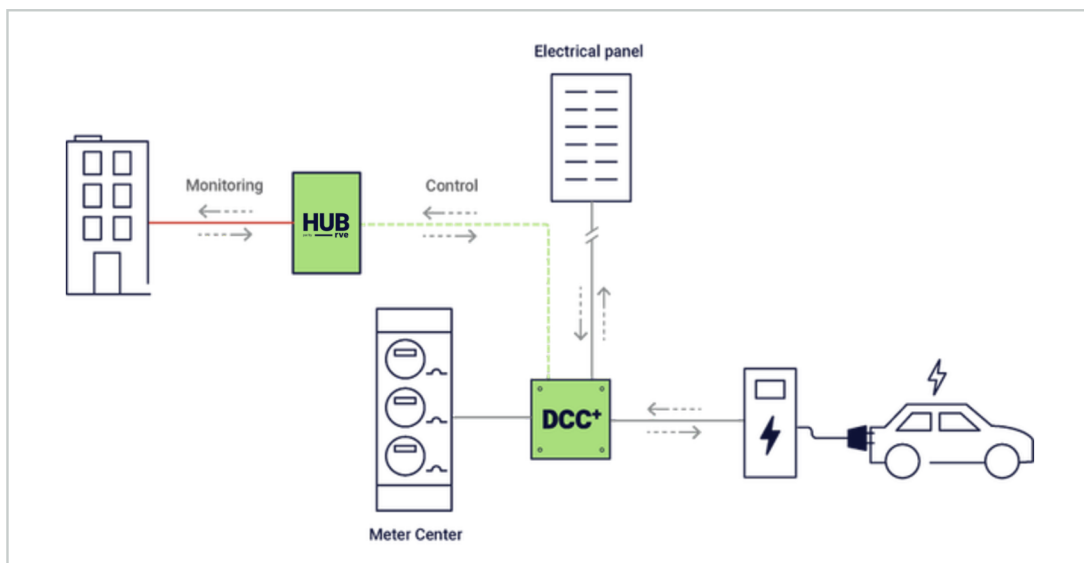
Individual Mode

The DCC+ protects the existing electrical infrastructure (feeder) of a dwelling or condo. It can be connected to the HUB by RVE at any time to enable intelligent energy management for a building.



Connected Mode

The DCC+ connects to the HUB to protect both the building's overall electrical infrastructure and the individual dwelling or condo feeder by managing energy use. In the event of an outage, the fail-safe current is 0 A, ensuring no additional load is added to the building's electrical components.



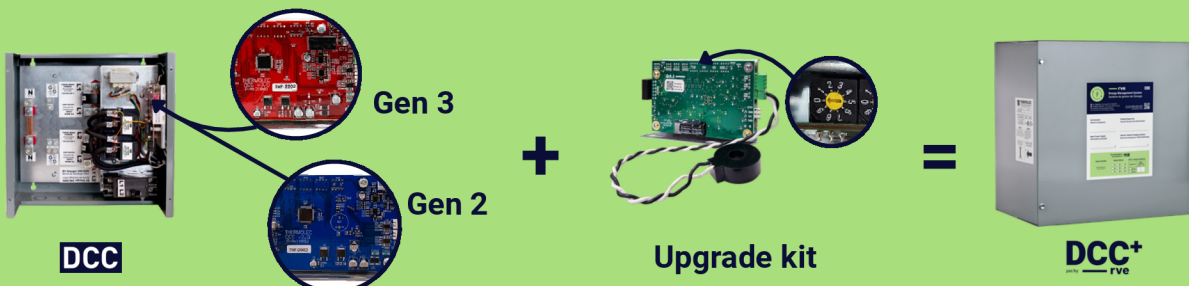
DCC+
Full specs



Upgrading DCC to DCC+

Previous generations of DCCs that have already been sold or installed are backward compatible with DCC+ via a quick and easy upgrade.

See the **DCC Upgrade Guide** for more information:



SMART PANEL FOR ELECTRIC VEHICLES

The SMP+ panel is a smart control and metering system designed to charge multiple electric vehicles from the same power source, maximizing each available kilowatt-hour thanks to its automatic load-shedding algorithm.

In particular, the SMP+ dynamically reduces power demands, better distributes the electrical load between charging stations, and contributes to efficient, intelligent energy management throughout the entire building.

HOW IT WORKS

- **Real-time monitoring** of the upstream distribution panel's and connected charging stations' power consumption
- **Intelligent, dynamic energy management** based on actual consumption of each charging station and available electrical capacity
- **Load shedding** to protect upstream electrical infrastructure via a software setpoint of maximum amperage per phase
- **Automatic energy (kWh) billing via RVE Payment** for each charging station, enabled by **Measurement Canada-certified metering**



CONNECT PORTAL

Compatible with RVE's Connect portal, a digital solution that allows users to view monitoring and control data from the HUB, as well as from connected DCC+ and SMP units. See page 21 for more information.



MODES OF USE



Individual Mode

In Individual mode, the SMP+ provides dynamic energy management by monitoring the consumption of its distribution panel, connected charging stations and an additional upstream three-phase feeder in real time.



Connected Mode

In Connected mode, the SMP+ can communicate with other SMP+ and HUBs connected to the same electrical infrastructure. Thus, the SMP+ protects the distribution panel that it is connected to, the additional feeder and the building's electrical infrastructure. Up to 30 SMP+ and/or HUBs can be connected together, enabling intelligent management of the building's entire energy system.

TECHNICAL SPECIFICATIONS

PRODUCT NUMBERS	SMP-12-G2	SMP-15-G2	SMP-18-G2	SMP-21-G2
Number of branch circuits for charging stations	12	15	18	21
Minimum electrical capacity required	56 A per phase			
Branch circuit rated current ¹	Between 20 A and 60 A (default setting: 32 A)			
Standards and certifications	E-SAFE (ESA), Measurement Canada, NEMA-4			
Power terminal blocks ²	max AWG 4, Cu/AL			
Operating voltage	208 V, 60 Hz, 3Ø 4-wires			
Net dimensions (W x H x D)	24" x 48" x 8" (61 cm x 122 cm x 20 cm)			
Shipping dimensions (W x H x D)	33" x 52" x 13.5" (84 cm x 122 cm x 33 cm)			
Net weight	143 lb (65 kg)			
Shipping weight	154 lb (70 kg)			
Network connection	Ethernet (RJ-45), minimum 5MB/s upstream and downstream			

¹ By default, all branch circuits are configured for 32 A charging stations; for any change in nominal current (between 20 A and 60 A), please contact RVE.

² See the SMP+ installation manual for more information on using aluminum conductors.

ADVANTAGES

Better sharing

- **Connection to the HUB** and other SMP+ to provide multilevel energy management
- **Several SMP+ panels can be connected** to the same electrical distribution panel and/or feeder (transformer)
- **Monitoring a three-phase feeder**, in addition to its distribution panel³

Better management

- **Access to RVE's Connect portal** for improved visibility and management of consumption data⁴
- Access to the **power consumption report** for the panel and each charging station⁴
- **Automatic billing** of energy consumption available with **RVE Payment** or a third-party system⁴
- Can be **integrated with electricity suppliers**³

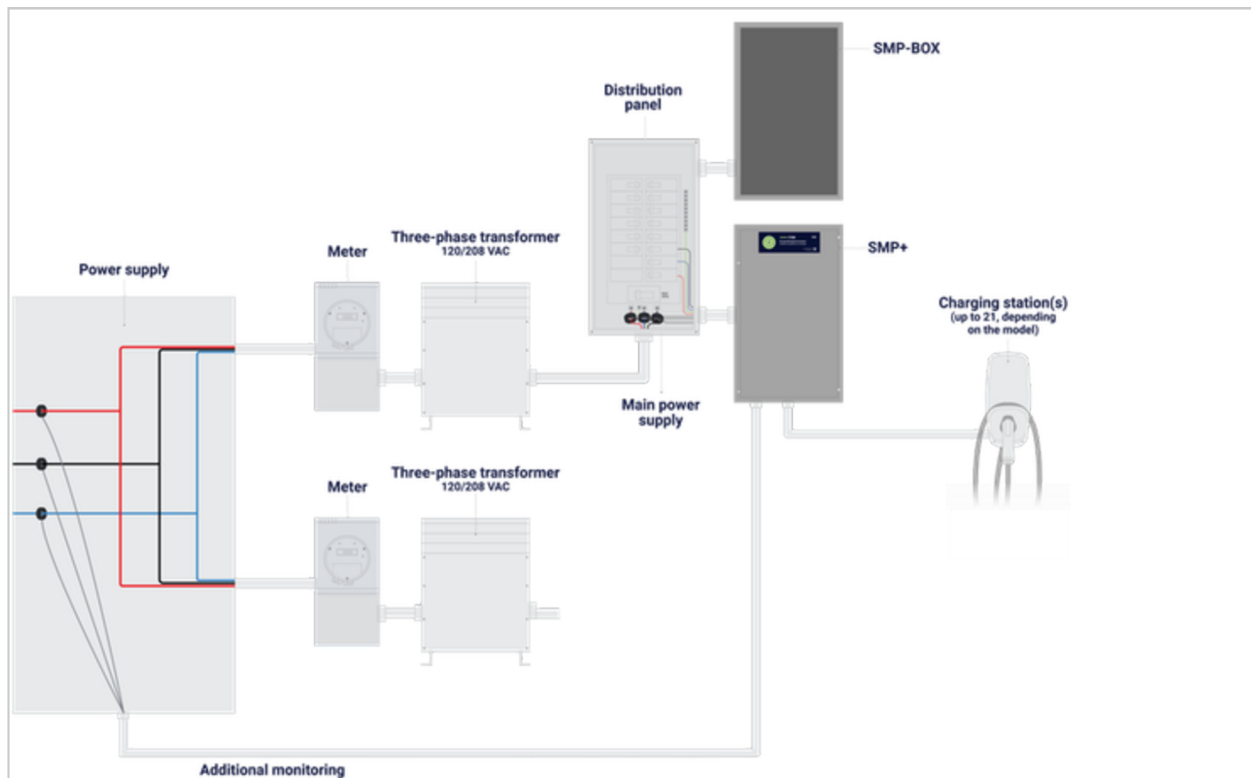
Greater flexibility

- Ready for the future, **compatible with all brands of electric panels and charging stations**⁵
- The **most compact smart** panel in its class currently on the market
- **Unparalleled installation speed**, thanks to factory prewiring and pre-configuration⁶
- **Compatible with charging stations of various amperages**, from 20 A to 60 A
- **SMP-BOX** can be installed to prepare for future charging needs

Greater profitability

- **No recurring or management fees**
- **Limits power demand** to reduce electricity costs and avoid the penalties associated with high power demand⁷
- **Wired Internet connection** is cheaper and more reliable than wireless systems

TYPICAL INSTALLATION



SMP+
Full specs



SYSTEM SAFETY

The SMP+ and its hierarchical system (HUB and SMP+) include a fail-safe mode that automatically opens relays in the event of a software, hardware or communication failure. This safety mode is designed so that the current associated with the relays is considered zero (0 A) when calculating the electrical load of the building or unit.

If there are network connectivity issues, the SMP+ guarantees continuous protection of the electrical infrastructure by using local intelligence to operate the monitoring and control mode.

3. Feature to come in 2026.

4. Internet connection required.

5. The customer must ensure that the EV chargers used are compatible with load shedding via power interruption.

6. Distribution panel and circuit breakers not included.

7. RVE cannot be held responsible for penalties associated with power demands.

TECHNICAL SPECIFICATIONS



SMP-BOX is the enclosure of a smart control and metering system designed to simplify the future installation of a complete energy management system in multifamily buildings.

It allows building owners and developers to pre-equip the electrical infrastructure for the future connection of EV chargers, while significantly reducing initial installation costs.

The SMP-BOX can be upgraded to allow connection of EV chargers by adding the electronic infrastructure, a 12-, 15-, 18- or 21-circuit insert (SMP-INS, see page 20).

SMP-BOX



PRODUCT	SMP-BOX
Minimum electrical capacity required	56 A per phase
Certification	NEMA-4
Power terminal blocks ¹	max AWG 4, Cu/AL
Operating voltage	208 V, 60 Hz, 3Ø 4-wires
Net dimensions (W x H x D)	24" x 48" x 8" (61 cm x 122 cm x 20 cm)
Shipping dimensions (W x H x D)	33" x 52" x 13.5" (84 cm x 122 cm x 33 cm)
Shipping weight	110 lb (49,9 kg)

¹ See the SMP+ installation manual for more information on using aluminum conductors.

SMP-BOX
Full specs



Makes
parking
spots EV
Ready

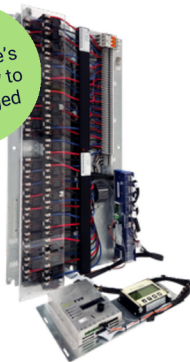


SMP-BOX

Enclosure



Installed
once there's
EVs ready to
be charged



SMP-INS

Electronic Components



Fully
functioning
SMP+



smp⁺

Smart Metering
and Control Panel

For informational purposes only. SKUs may vary; contact your RVE representative for more information.

TECHNICAL SPECIFICATIONS



SMP-INS is a 12-, 15-, 18- or 21-circuit insert that is installed inside an SMP-BOX once EV chargers are ready to be connected. Its modular design provides greater flexibility in installation planning, and its pre-assembled configuration ensures a fast and straightforward installation process.

SMP-INS

Once the SMP-INS have been added the SMP-BOX, the whole unit functions as a complete SMP+ (see pages 17-18) and benefits from the Measurement Canada certification.



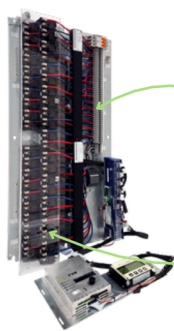
SMP-12-INS-G2



SMP-15-INS-G2



SMP-18-INS-G2



SMP-21-INS-G2

The number of relays and EV inputs varies depending on the model

PRODUCT	SMP-12-INS-G2	SMP-15-INS-G2	SMP-18-INS-G2	SMP-21-INS-G2
Number of branch circuits for charging stations	12	15	18	21
Minimum electrical capacity required	56 A per phase			
Branch circuit rated current ¹	Between 20 A and 60 A (default setting: 32 A)			
Certification	NEMA-4			
Power terminal blocks ²	max AWG 4, Cu/AL			
Operating voltage	208 V, 60 Hz, 3Ø 4-wires			
Net dimensions (W x H x D)	24" x 48" x 8" (61 cm x 122 cm x 20 cm)			
Shipping dimensions (W x H x D)	33" x 52" x 13.5" (84 cm x 122 cm x 33 cm)			
Shipping weight	60 lb (27,2 kg)			
Network connection	Ethernet (RJ-45), minimum 5MB/s upstream and downstream			

**SMP-INS
Full specs**



¹ By default, all branch circuits are configured for 32 A charging stations; for any change in nominal current (between 20 A and 60 A), please contact RVE.
² See the SMP+ installation manual for more information on using aluminum conductors.

Makes parking spots EV Ready

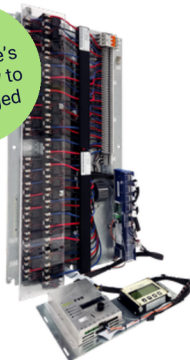


SMP-BOX

Enclosure



Installed once there's EVs ready to be charged



SMP-INS

Electronic Components



Fully functioning SMP+



smp+
rve

Smart Metering
and Control Panel

CONNECT PORTAL

The RVE Connect portal is an online dashboard that lets you see and manage your RVE EV charging system in real time. It brings all connected equipment (HUB, DCC+, SMP+) into one place, making it easy to monitor charging activity, track energy use, and manage billing efficiently.



Learn more



FEATURES AND BENEFITS



Simplified Management

- **Less admin work:** automated billing for each resident.
- **One dashboard:** centralized visibility across all buildings, equipment, and energy use.
- **Easy collaboration:** secure access for electricians to enable remote monitoring.
- **Simple integration:** connection with existing property management systems via a secure API.

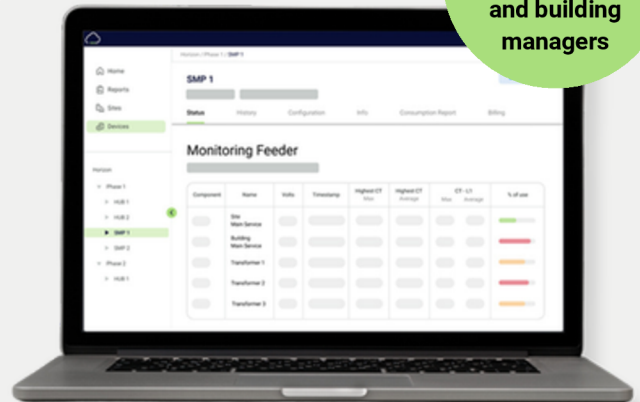
A standard account allows visualization and basic reporting of connected equipment, while a premium account enables advanced management and billing features.



Unmatched Reliability and Performance

- **Certified accuracy:** automated, certified energy billing per resident, compliant with local standards (SMP+).
- **Remote control:** activation or deactivation of charging stations for added safety and flexibility.
- **Proactive alerts:** centralized monitoring of equipment notifications for faster intervention.
- **Energy insights:** monthly and annual reports to optimize performance and plan future energy needs.

A platform
for condo
associations
and building
managers



Go One Step Further To Protect Your Installation: Get the Advanced Warranty

Complete peace of mind

- Full coverage of the cost of faulty hardware components.*
- Less worry, more time for your priorities.
- Budget control thanks to the elimination of unexpected expenses.

*Conditions apply.

Fast, priority support

- Priority access to our technical support team.
- Remote troubleshooting and problem resolution.
- Quick response to keep your charging stations up and running.



Learn more:



To activate the Advanced warranty, the HUB and SMP+ must be connected to the Internet, and the DCC+ must be connected to a HUB.



Installation Example

DCC-9+ HUB

DCC-9 DCC-BOX

198-UNIT HIGH-RISE CONDO RETROFIT

Scan to see the full case study:



Or scan here to see more case studies:



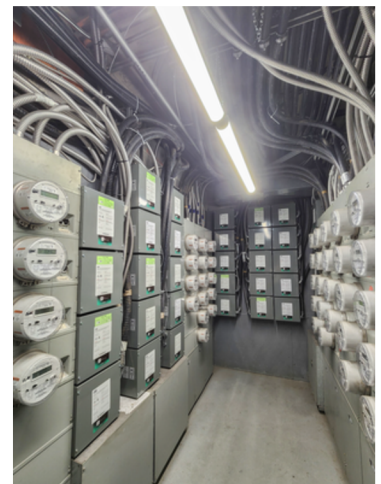
TECHNICAL SPECIFICATIONS

Type of construction	existing building (retrofit)
Type of occupancy	condo
Number of floors	20
Number of parking spaces	between 101 and 200
Electricity meters' locations	accessible
Parking spaces	indoors, assigned

PRODUCTS USED



- **DCC-9+ and DCC-9** for units with an electrical panel of 125A and less in need of a charging station right away
- **DCC-9-BOX** to provide charging infrastructure without installing chargers right away
- A **HUB** enabling **dynamic control of DCC+** based on charging demand and energy consumption, **phase balance adjustment** to protect electrical equipment and **optimal energy allocation** between multiple vehicles for more efficient and equitable charging.
 - **Electricity billed at the residential rate**, avoiding any additional expenses related to a rate upgrade;
 - Installed products requiring **no management** on the part of the building manager or condo association;
 - **Multiple savings**: minimized energy costs, no costly power demand penalties, no management/connection/transaction fees, no main service upgrade (which can reach **500 000\$** for a building of this size).





Installation Example

DCC-9 **SMP+**

146-UNIT HIGH-RISE CONDO RETROFIT

Scan here to see more case studies:



TECHNICAL SPECIFICATIONS

Type of construction	existing building (retrofit)
Type of occupancy	condo
Number of floors	20
Number of parking spaces	between 101 and 200
Electricity meters' location	accessible and inaccessible
Parking spaces	indoors, assigned

PRODUCTS USED



- **DCC-9** for units with an electricity meter accessible from the parking space and an electrical panel of 125A or less
- Two **SMP-18** for units with an inaccessible meter
 - **Designed to charge multiple electric vehicles** from the same power source;
 - **Compatible with all brands** of electric panels and charging stations;
 - **Smart, dynamic energy management** based on actual consumption of each charging station and available electrical capacity.



Find RVE products at your local distributor

Product guidance: sales@rve.ca

Technical inquiries: support@rve.ca



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[@rve.evems](https://www.instagram.com/rve.evems)



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rve.ca/en/blog/

 **rve** Transforming the Home Charging Industry

RVE is the founding company behind the DCC, DCC+, HUB, and SMP+ product lines, as well as the Murbly platform.
Proudly designed and manufactured in Canada.