

# PVCC900™

**Modular Charge Controller for LFP or Lead-acid Batteries for 700-900Vdc Applications**

**E2L™**

P137E



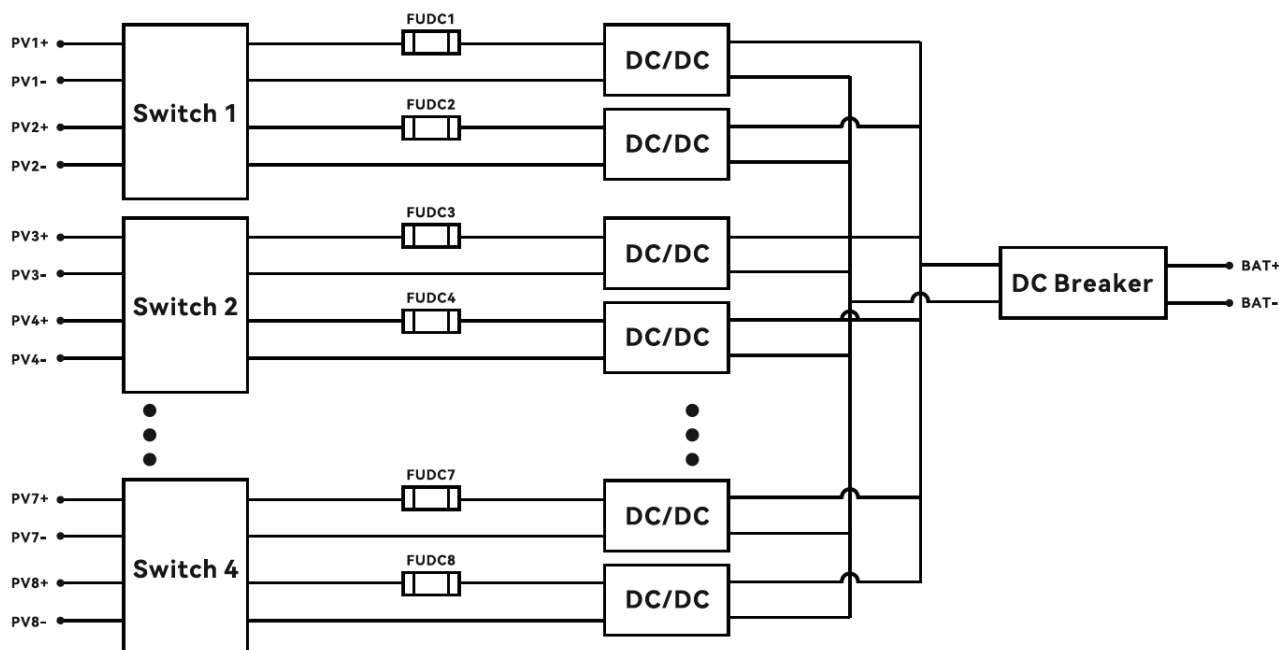
**PVCC900 is a transformerless and Modular Solar Charge Controller, allowing to control the DC power flowing from Solar Panels into 700-900 Volt batteries (LFP or Lead-Acid), to reach up to 1,600KW of Total DC coupling Power per battery system.**

PVCC900 is a transformerless Solar Charge Controller, allowing to control the DC power flowing from Solar Panels into 700-900 Volt batteries (LFP or Lead-Acid).

Each PVCC900 provides up to 200KW each through 8 MPPT circuits allowing the connection of 8 strings in 1500Vdc configuration.

Up to 8 units can be installed on the same batteries to reach up to 1,600KW of DC coupling power.

# Features



E24 offers a modular transformerless charge controller for DC coupling application in 700-900Vdc range.

Each charge controller connects to 8 solar strings in 1500Vdc configuration to provide up to 200KW of DC coupling power per module.

The units are wall mounted making them modular (easy upgrades or replacement) without the need of cranes or lifting tools.

The units are designed to operate outdoors under IP 65 compatible environment.

- **Modular (Easy to upgrade or replace)**
- **Wall-mount system**
- **Compact**
- **Light Weight**
- **IP 65**
- **Up to 8 units in parallel on the same battery bank**
- **Works with LFP or Lead Acid**
- **RS485, CAN-BUS**
- **99% Efficiency**
- **OV/UV Protected**
- **Short Circuit Protected**
- **Over Temperature Protection**
- **Lightning Protection**
- **Build-in DC breaker**
- **Emergency Power Off**
- **Wide Operating Temperature**

# Technical Specifications

## PVCC900-200K

### Input (PV)

Max. PV power	200kW
MPPT voltage range	900V-1300V
Max. input current	160A(20A*8)
Number of MPPT	8

### Output (Battery & PCS)

Output voltage	600V-900V(700V-900Vfull load)
Max. charge power	200kW
Max. charge current	280A
Max. charge efficiency	99%
Battery type	Lead-acid or lithium-ion

### Protection

Input & output OV/UV protection	Yes
Input & output OC protection	Yes
Short circuit protection	Yes
Over temperature protection	Yes
Lightning protection	Type II
DC breaker	Yes
Emergency stop	Yes

### General Information

Protection degree	IP65
Noise emission	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C
Cooling method	Intelligent fan cooling
Relative humidity	0-95% non-condensing
Max. altitude	6000m (derate over 3000m)
Dimension (W/H/D)	780/770/210 mm
Weight	65kg
Topology	Transformerless
Standby power	<100W

### Communication

Communication	RS485/CAN
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Hybrid



Storage Inverter



Battery



and much more ...

# E24 Modular Range Of Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.



# Ordering Information

Ref. Number	Description
PVCC-900-200K	MPPT Charge Controller for 700-900Vdc (Li or LA), 200KW, 900V to 1200V MPPT with RS485/CAN



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