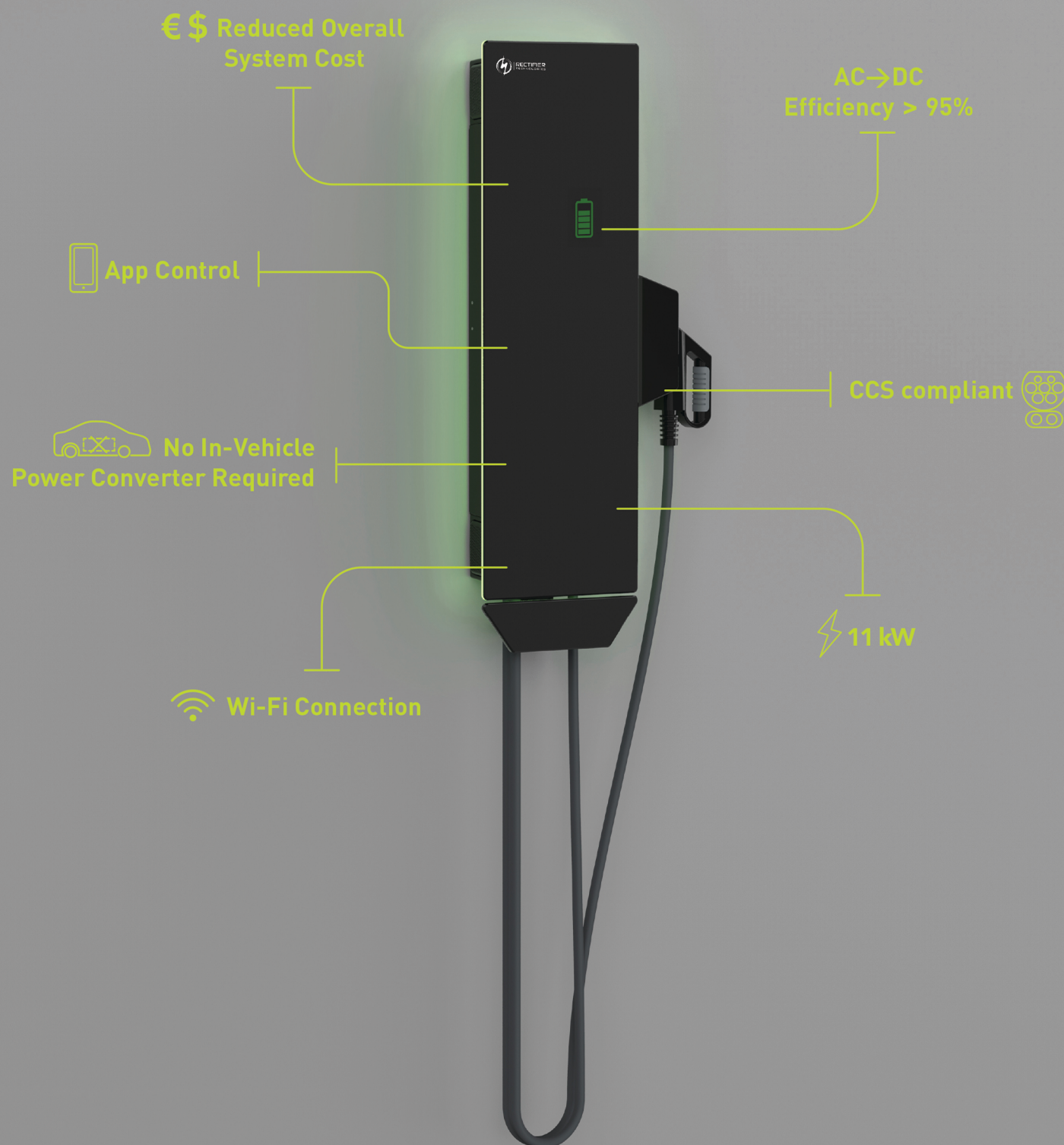


# EV/DC CHARGER

## 11KW



**The 11kW EV DC Charger** is a high efficiency high speed charger for CCS compliant vehicles that converts 11kW of AC to DC to quickly recharge the vehicle battery without requiring a heavy, costly, high power on-board charger in the vehicle.



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Flexible left or right nozzle orientation



Low wall profile mounting

## INPUT 380, 400, 480VAC

### Voltage requirement

Three phase, 4-wire, nominal: 380, 400, 480VAC  
Voltage tolerance: 340 – 530VAC  
Frequency: 45 – 66Hz

### Maximum input current

16A RMS max

### Power factor

Greater than 0.99 at full load; 0.98 at half load

### Harmonic distortion of input current

Less than 5% at full load; 10% at half load

### Voltage withstand test

2828VDC input to chassis for 1 minute

### Protection

Overvoltage: operates to 535VAC typically  
Undervoltage: operates to 320VAC typically  
Surge protection to 6kV/3kA  
Fuses provided at the input but an additional magnetic circuit breaker is always recommended

### Startup

Inrush less than 100% input current

## OUTPUT 200VDC - 450VDC

### Voltage

Adjustment range: 200 – 450V

### Current

Up to 32ADC as demanded by vehicle

### Charging type

Mode 4

### Connector type DC

CCS type 2 per IEC 62196-3

### Isolation

IT isolation  
2828VDC output to chassis for 1 minute

# EV/DC CHARGER 11KW

- Designed for wall mounted installation.
- Ideal for garages and carports.
- Cable holder and plug receptacle allow a low wall profile.
- State-of-charge indicator shows overall progress and the charger pulses blue while charging.
- Wi-Fi connection and Smartphone App provide a convenient user interface.
- Efficiency exceeds 95%.

## STANDARDS

### Features and Safety

Designed to IEC61851-23: 2014 and IEC61851-1:3rd Ed 2017

### EMC Emissions and Immunity

Designed to IEC61851-21: 2001

## MECHANICAL

### Module

Width: 350mm main body,  
470mm unplugged,  
600mm with cable in holder  
Height: 1105mm  
Depth: 131mm  
Mass: <32kg  
Acoustic: ≤ 56dB (A Weighted)

## ENVIRONMENT

### Operating range

-30°C to +50°C, ≤ 90% RH

### IP rating

44

### Environment

For Indoor or Outdoor use

### Storage and transport

-40°C to +70°C, ≤ 95% RH

### Altitude

2000m max  
de-rating 5°C per 1000m

## CONNECTIONS

### Installation

Wall mounting only. A mounting plate attaches to the wall, then the EV DC Charger attaches to the plate.

### Input

Junction box for top entry cable in circular conduit or rear entry cable.

### Output

CCS Type 2 plug with 3.5m cable, secure plug holder.

### Interface

Wi-Fi connection and Smartphone App  
Optional OCPP 1.6 Integration



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