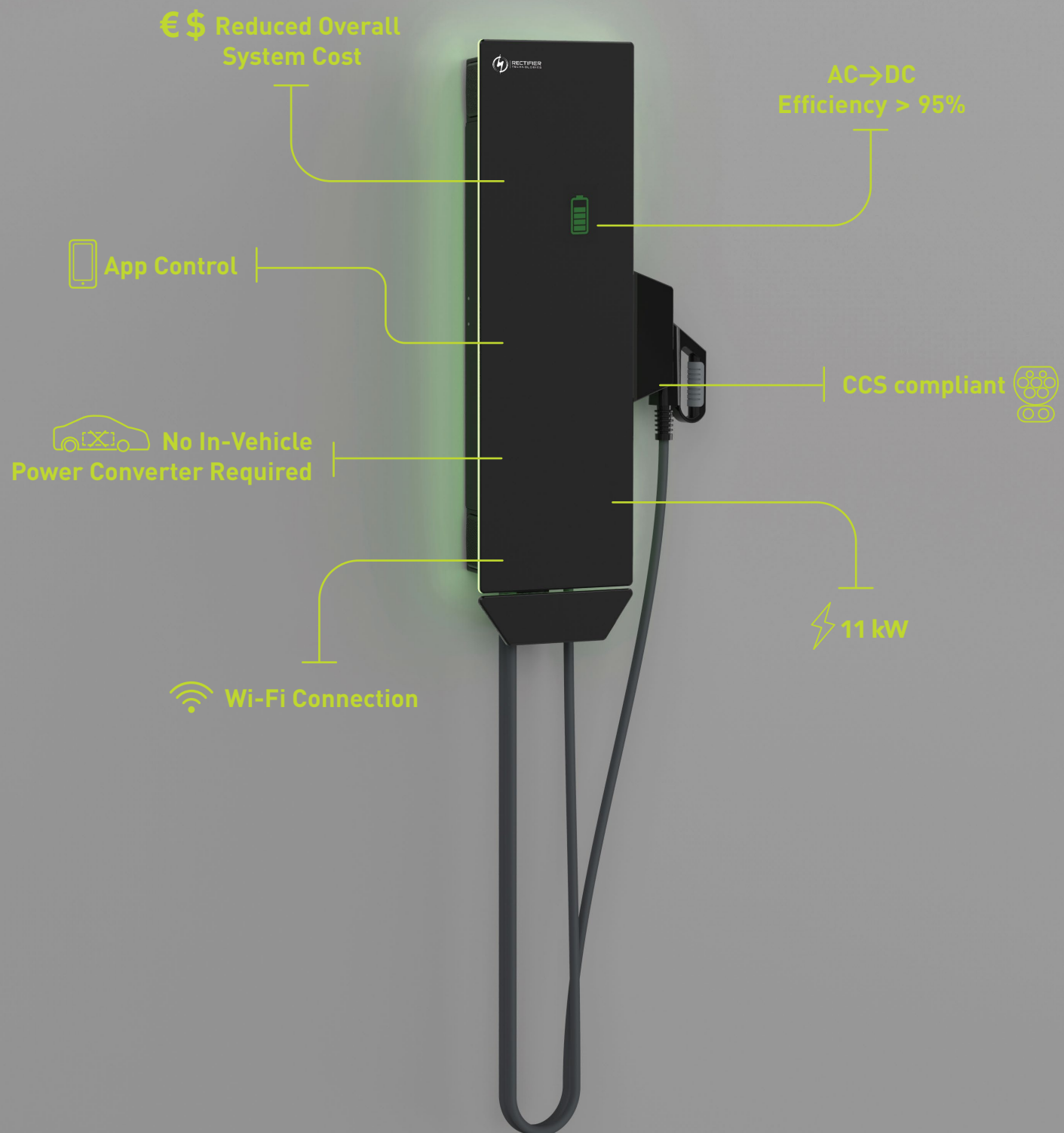


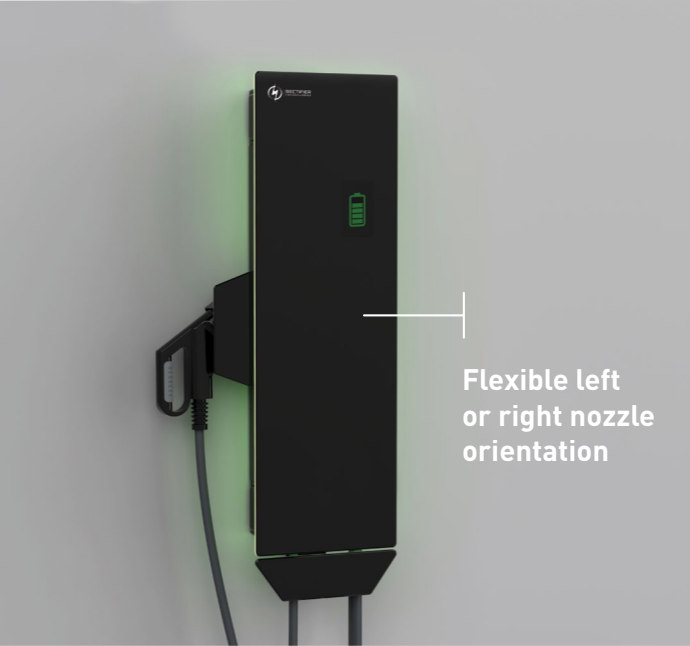
EV/DC HOME CHARGER 11KW



The **EV DC Home Charger 11kW** 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 HOME 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: 2007

EMC Emissions and Immunity

Designed to IEC61851-21: 2001

MECHANICAL

Module

Width: 350mm main body,
470mm unplugged,
600mm with cable in holder
Height: 1130mm
Depth: 130mm
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 Home 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



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