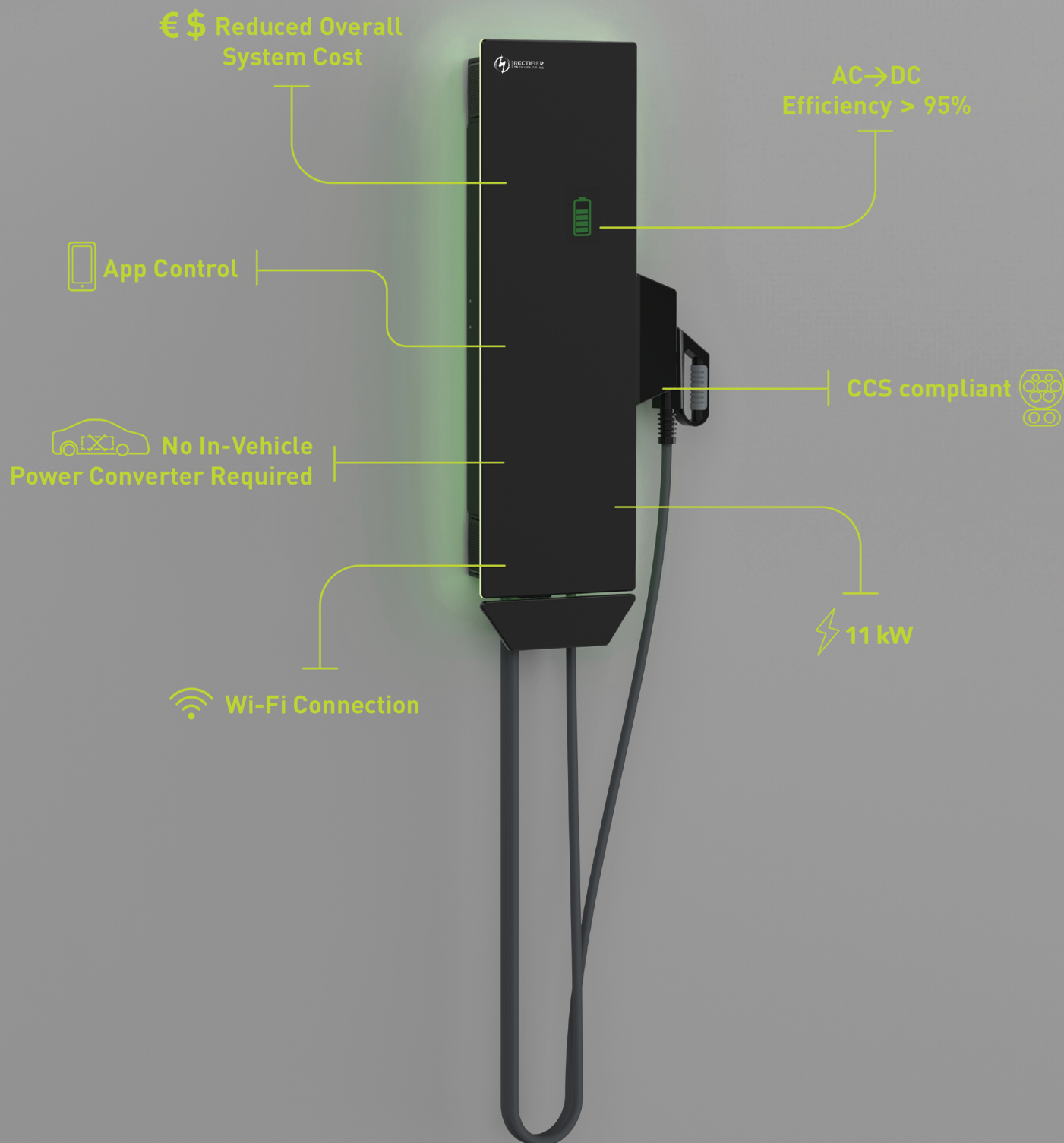


# EV/DC CHARGER

## 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.



**RECTIFIER**  
TECHNOLOGIES

[www.rectifiertechnologies.com](http://www.rectifiertechnologies.com)





**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



**RECTIFIER**  
TECHNOLOGIES

**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

**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

**MECHANICAL**

**Module**  
Width: 350mm main body,  
470mm unplugged,  
600mm with cable in holder  
Height: 1172mm  
Depth: 110mm  
Mass: <32kg  
Acoustic: ≤ 56dB (A Weighted)

**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