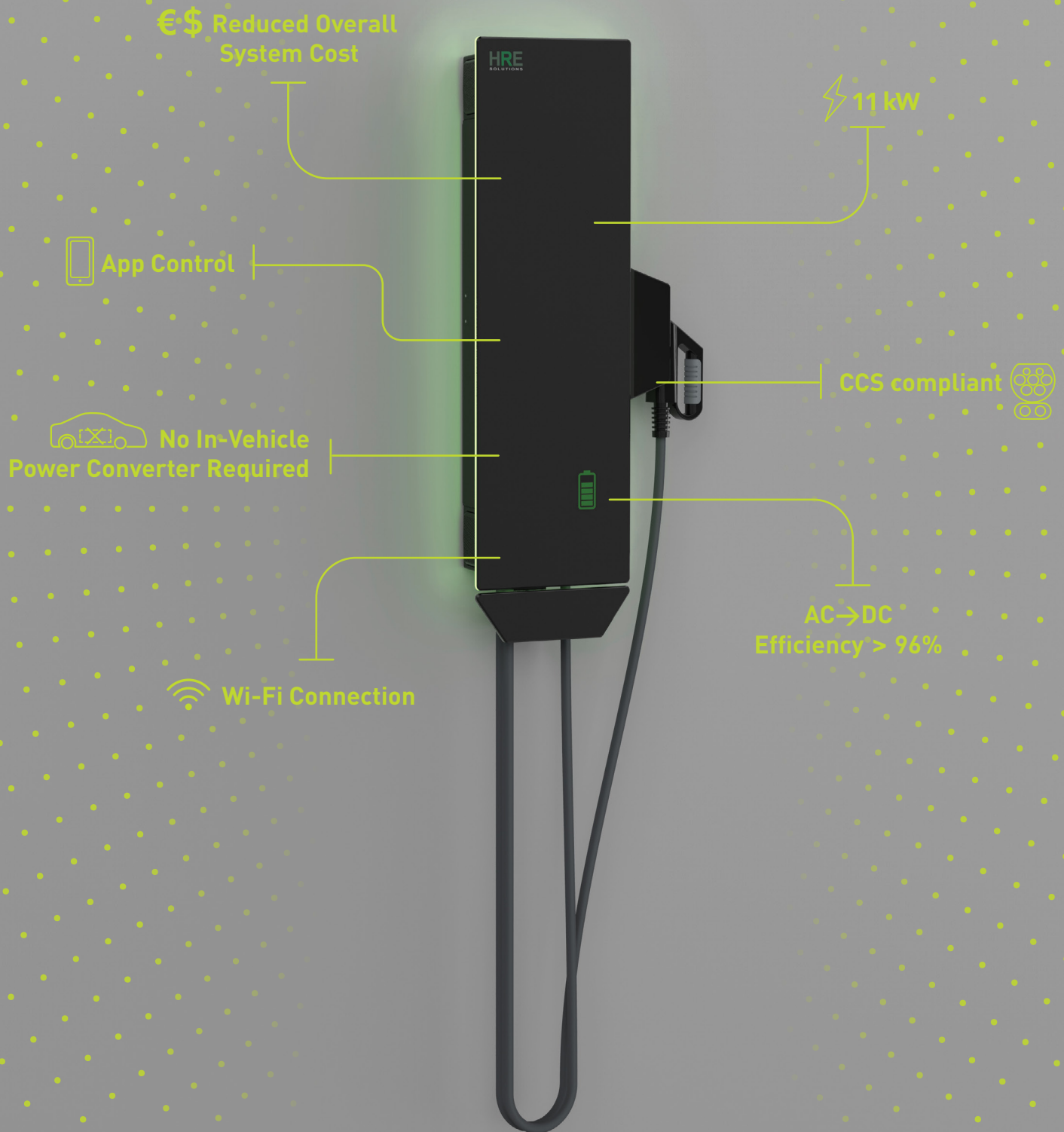


# EV/DC HOME CHARGER 11KW



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

**HRE**  
SOLUTIONS

[hresol.com.au](http://hresol.com.au)



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**

20A 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 green while charging.
- Wi-Fi connection and Smartphone App provide a convenient user interface.
- Efficiency exceeds 96%.

## **STANDARDS**

### **Features and Safety**

Designed to IEC61851-23: 2014  
and IEC61851-1: 2010

### **EMC Emissions and Immunity**

Designed to IEC61851-21: 2001

## **MECHANICAL**

### **Module**

Width: 350mm main body,  
470mm unplugged,  
600mm with cable in holder  
Height: 1172mm  
Depth: 110mm  
Mass: <32kg  
Acoustic: ≤ 55dB [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 2.5m cable, secure plug holder.

### **Interface**

Wi-Fi connection and Smartphone App