

RAEDIAN

# ENERGIZE THE FUTURE OF EMOBILITY

Safety beyond standards  
Multiple features for easy charging  
Maximize savings on charging costs



# CHARGING THE FUTURE TOGETHER

RAEDIAN is committed to the future of eMobility

**10+** years

Extensive experience  
in EV charging.

**Tier 1** supplier

Automotive Grade  
Quality Assurance.

**1.000.000+** sets

1 million chargers  
delivered all over  
the world.

**100%** core tech

World class experts  
in Smart IoT, SaaS  
Cloud Platform.



Smart starts with Simplicity.

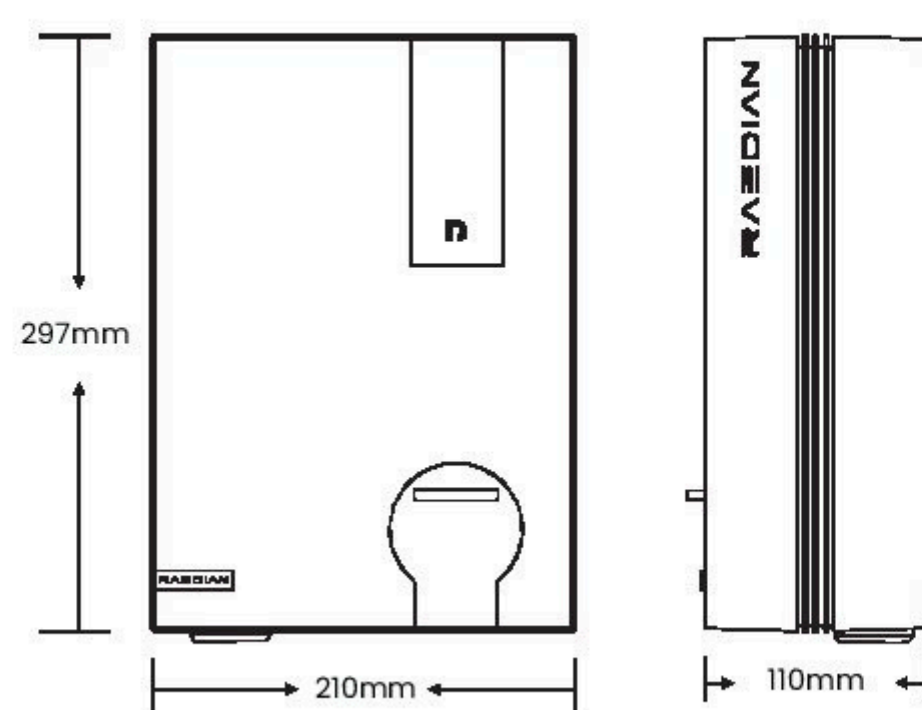




# NEO AC WALLBOX FOR SUSTAINABLE HOME

Smart starts with Simplicity

## Technical Specification



### Colorful



Operating temperature	-30 to 55°C with derating mechanism
Operating altitude	3000m
Environmental rating	Indoor and outdoor, IP55, IK10
Dimension	297x210x110(mm)
Weight	3.1kg(socket variants)

### Certification & Standards

IEC/EN 61851-1, IEC/EN 62955, IEC 61851-21-2  
 EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12, EN 300 328 V2.1.1, EN 300 330 V2.1.1, EN 301 908-1 V11.1.2, EN 301 908-13



## General Features

### Full Coverage

7~22kW, Cable/Socket

### Built to Last

full speed unstop at 45°C

### 1% Accuracy

Integrated MID grade meter

### Fully Certified

Tested by reputable TÜV SÜD for CE/CB

### Weather, Impact-proof

IP55 IK10

### All Grid & Earthing System

1 or 3 phase, TT/TN/IT

### All Around Connectivity

WiFi/BLE/RFID,  
4G with eSIM(optional)

### Interactions Made Easy

OLED Display/Dual Light strips

# Technical Specification

**Power** 7kW / 11kW / 22kW

**Colors**  Metallic Silver

 Space Grey

 Passion Red

 Lunar Light



## Feature and Function

Charging mode	AC Mode 3
Charging connector	IEC 62196 Type 2 cable, Type 2 socket, Type 2 socket with shutter
AC power output	Single phase up to 7.4kW. Three phase with downgrade compatibility up to 22kW
Mounting options	Wall mounted or pedestal with wiring backplate
Display	OLED Display with status indicator and metering information
HMI	LED strips, Charging Tone
Load management	Via App, CT Clamps (optional) , RS-485

## Communication

Interface	Wi-Fi, BLE, 4G (optional), CT Clamps (optional), RS-485
Touch button	Boost
User authentication	RFID, App, Plug-n-Charge
Back end protocol	OCPP 1.6 JSON
Software upgrade	OTA via App, OCPP

## Electrical Design

Power supply	Single phase: 230VAC $\pm$ 20%, 50/60Hz Three phase: 230/400VAC $\pm$ 20%, 50/60Hz TN/TT/IT
Protection	UVP, OVP, OCP, Ground Presence, Relay Stuck, Over Temperature, Phase Imbalance
Residual current protection	Type A + 6mA d.c. per IEC 62955
Energy metering	$\pm$ 1% Accuracy

## General Design

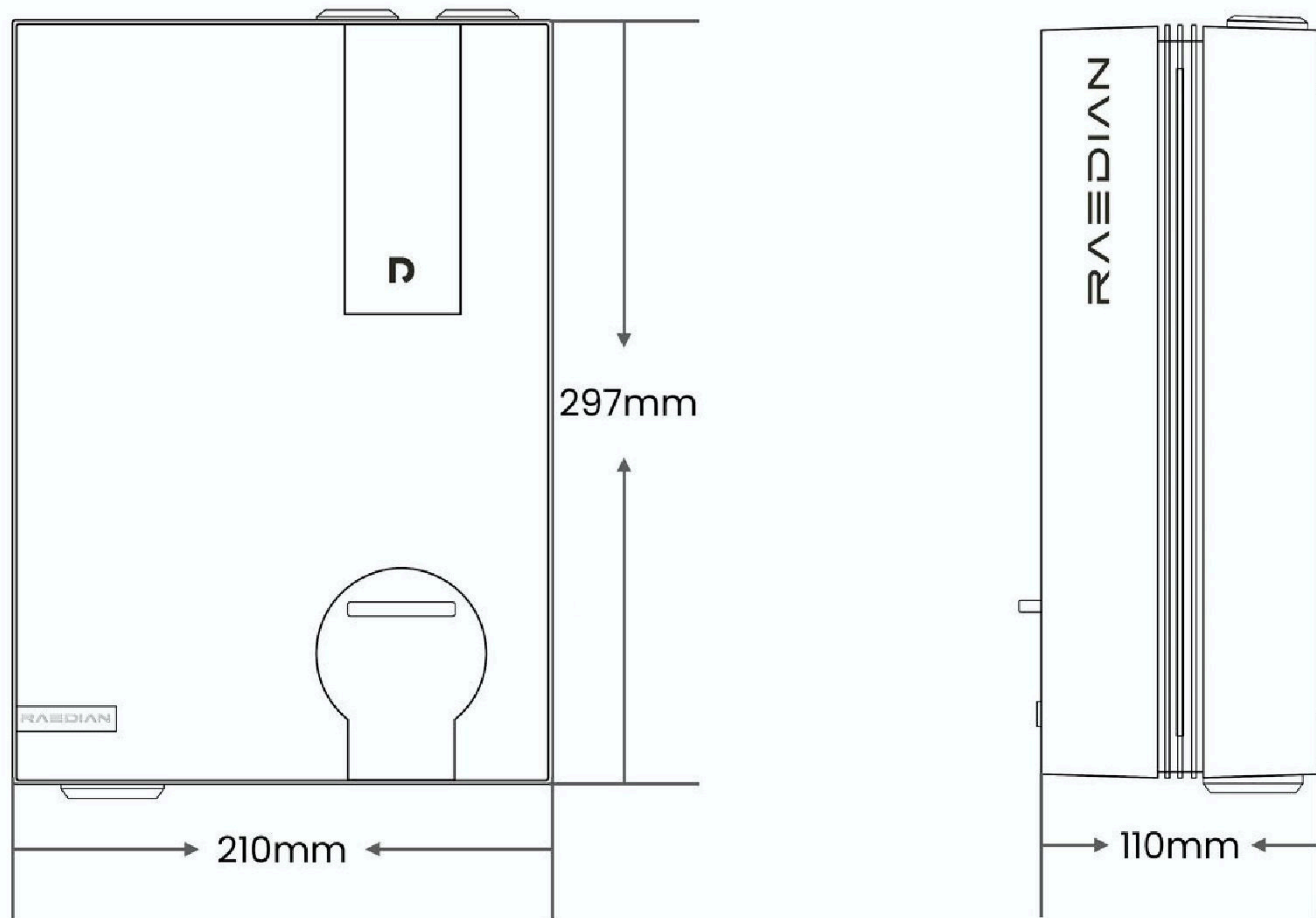
Operating temperature	-30 to 55°C with derating mechanism
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Weight	3.0kg - 5.6kg

## Certification & Standards

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EN 300 328 V2.1.1, EN 300 330 V2.1.1, EN 301 908-1 V11.1.2, EN 301 908-13



# Product Variants



## Type 2 Tether Cable, 5M usable length

Model Name	Description	Colors
NEO 7-T5	7kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 11-T5	11kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-T5	22kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 7-T5-E	7kW, 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 11-T5-E	11kW, 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-T5-E	22kW, 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●

## Type 2 Socket

Model Name	Description	Colors
NEO 7-S	7kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-S	22kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 7-S-E	7kW, 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-S-E	22kW 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●

## Type 2 Socket with shutter

Model Name	Description	Colors
NEO 7-SS	7kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-SS	22kW, WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 7-SS-E	7kW, 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●
NEO 22-SS-E	22kW 4G/WiFi/BLE/RFID/OLED/CT	● ● ● ●



# Smart starts with Simplicity

Simplify smart charging solution for sustainable home

## Simplified Installation

One man hassel-free installation  
Easy routing and one clip installation

## All Around Connectivity

Always keep your Wallbox connected in your way  
Free OTA for the latest exciting features

## Charge at the lowest rate

Built-in API for dynamic utility price  
Schedule Charging

## Simplified Interactions

Plain and Simple OLED Display  
LED Strips visible from meters away

## All Around Safety

Certified by reputable 3rd party TÜV SÜD  
10+ beyond standard safety features

## Charge with 100% green energy

Universal CT Clamps for solar integration  
Integration with PV & Battery System

# Highlight Features

## Hassle-Free Operation

## Nebula® CMS Platform

### Local Load balance as a group

Local Load Management for multiple chargers based on dynamic load budget.

Scale up anytime without investment in upgrading the grid capacity.

### Charging Management System (Nebula®) for FREE

No barrier to entry, manage from 1 to an unlimited number of charging stations.

Light-weight, flexible, compatible for self-use or open for 3rd party CPO.

### Effortless Batch Commissioning

Commission one charger and one tap to clone configurations to the rest of the group.

### Manage and monitor remotely

Manage, monitor, and control your charging stations on your smartphone, tablet, and laptop anytime anywhere.

### MID-certified integrated metering

MID Class B,  $\pm 1\%$  Accuracy assurance for charging fees reference.

Charging sites and stations monitoring, management.

Charging fees and tariffs management.

Charging records and statistics.

Flexible and customizable for local deployment and system integration.



# Technical Specification Summary

- **Certificeringen**  
IEC/EN 61851-1, IEC/EN 62955, IEC 61851-21-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12, EN 300 328 V2.1.1, EN 300 330 V2.1.1, EN 301 908-1 V11.1.2, EN 301 908-13
- **Bedrijfstemperatuur**  
30 tot 55°C
- **Operationele hoogte**  
Tot 3000 meter
- **Omgevingswaarde**  
IP55 en IK10
- **Afmetingen**  
297x210x110(mm)
- **Gewicht**  
3.1kg(exclusief vaste kabel)
- **Connectiviteit**  
WiFi/BLUETOOTH LE/RFID/4G met eSIM
- **Meetinstrument**  
MID gecertificeerd kWh meter(±1% nauwkeurig)
- **Testfaciliteit**  
TÜV SÜD voor CE/CB
- **Dynamic Load Balancing**  
De stroomtoevoer aanpassen op de stroombehoefte in het huis om overbelasting te voorkomen. Beschikbare programma's: Home Balance, Solar, Solar Plus, Eco.
- **Anti diefstal beveiliging**  
Automatische vergrendeling na laadsessies
- **24/7 monitoring**  
Bescherming tegen abnormale hitte en fluctuaties in het elektriciteitsnet en het proactief voorkomen van veiligheidsrisico's.
- **InstaCharge**  
Direct beginnen met opladen op het maximaal beschikbare vermogen.
- **Powersharing**  
Ongelimiteerde toegang voor familie, vrienden en onbekenden met een laadpaas.
- **Laadhistorie**  
Bekijken en filteren van de oplaadgeschiedenis en exporteren en versturen naar je mailbox.
- **Laadinzicht**  
Uw laadsessies gecategoriseerd en gevisualiseerd naar consumptie en ecologische voetafdruk.
- **Geschikt voor openbaar laden**  
Eenvoudig laadsessies categoriseren voor deelladen en ontvangen van terugbetaling.
- **Tarief optimalisatie**  
Oplaadsessies worden gepland in de periode met het laagste tarief conform de vertrektijd en benodigde kWh.



## SERVICE CENTER



### Netherlands Warehouse

Airborne Avenue 81, dock 24-29 2133  
LV HOOFFDORP, Netherlands



### Spain Office & Warehouse

Av. de la Democracia, 7,  
Nave 210, 28031 Madrid



### Munich Office

TEnergie-Service GmbH  
Thomas-Wimmer-Ring 9, 80539 Munich



### Rome Office

Viale Alexandre Gustave Eiffel 100  
Commecity isola L43, 00148 Rome

## CONTACT US



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