

Smart starts with Simplicity.





# Smart starts with Simplicity

Simplify smart charging solution for sustainable home

## Simplified Installation

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

## Simplified Interactions

Plain and Simple OLED Display  
LED Strips visible from meters away

## All Around Connectivity

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

## All Around Safety

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

## Charge at the lowest rate

Built-in API for dynamic utility price  
Schedule Charging

## Charge with 100% green energy

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

# Our Offerings

## RAEDIAN NEO AC Wallbox

Up to 22kW, Type 2 connector (cable/socket/socket with shutter)  
WiFi/BLE/RFID/4G (optional), OLED Display, Solar/EMS integration

## RAEDIAN Charging App

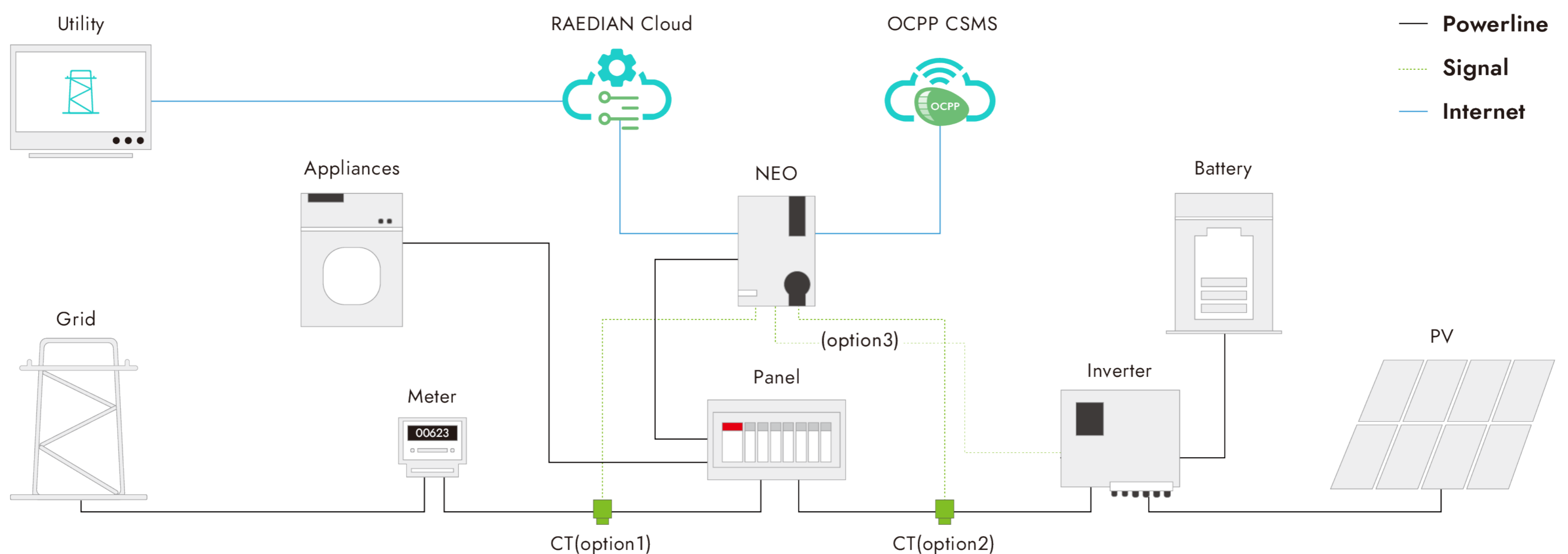
Control & Monitoring your Wallbox anytime, anywhere  
Schedule charging to reduce energy cost  
Charging record and analytic dashboard

## RAEDIAN Load Balancing

Design for maximum adaptive capability for smart home scheme  
Multiple Load Balancing Modes: Home Balance/ Solar/ Solar Plus/ ECO

## RAEDIAN Diagnosis & Service

Local technical support and serviceability  
Always connected for remote diagnosis & Free OTA update



Fit in perfectly in your sustainable smart home with the best in class economical and environmental efficiency.

# 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

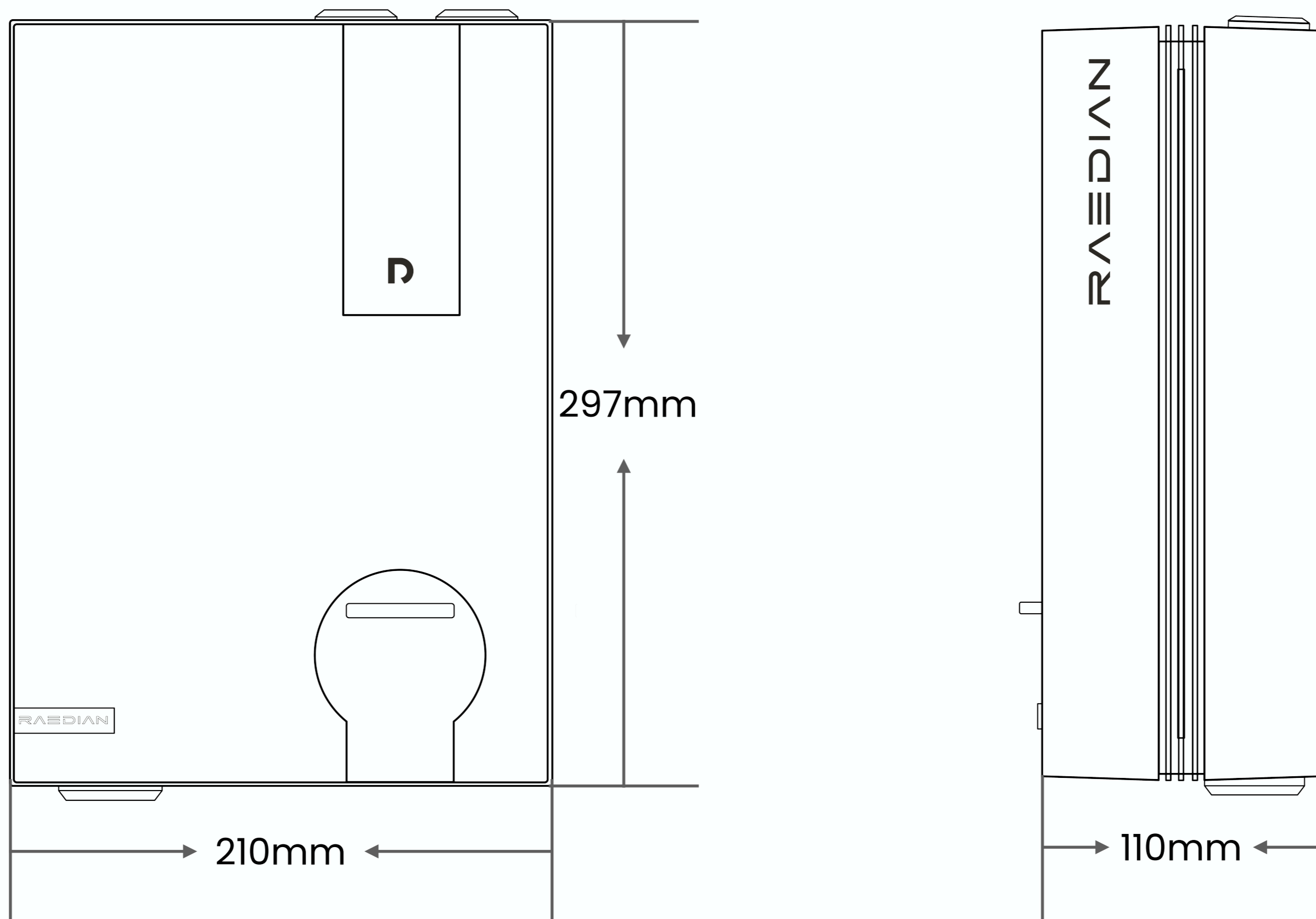
Operating temperature	-30 to 55°C with derating mechanism
Operating altitude	3000m
Environmental rating	Indoor and outdoor, IP55, IK10
Dimension	297x210x110 (mm)
Weight	3.0kg - 5.6kg

## 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



# 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	● ● ● ●