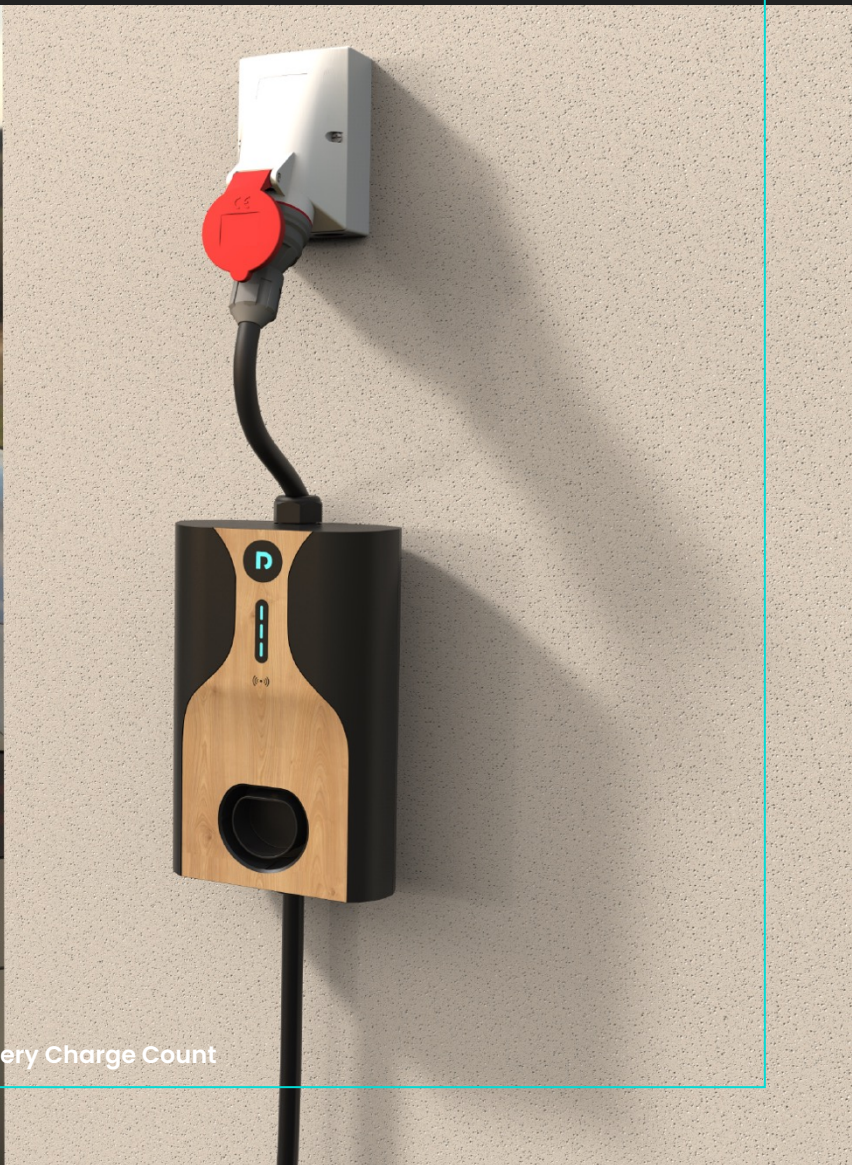
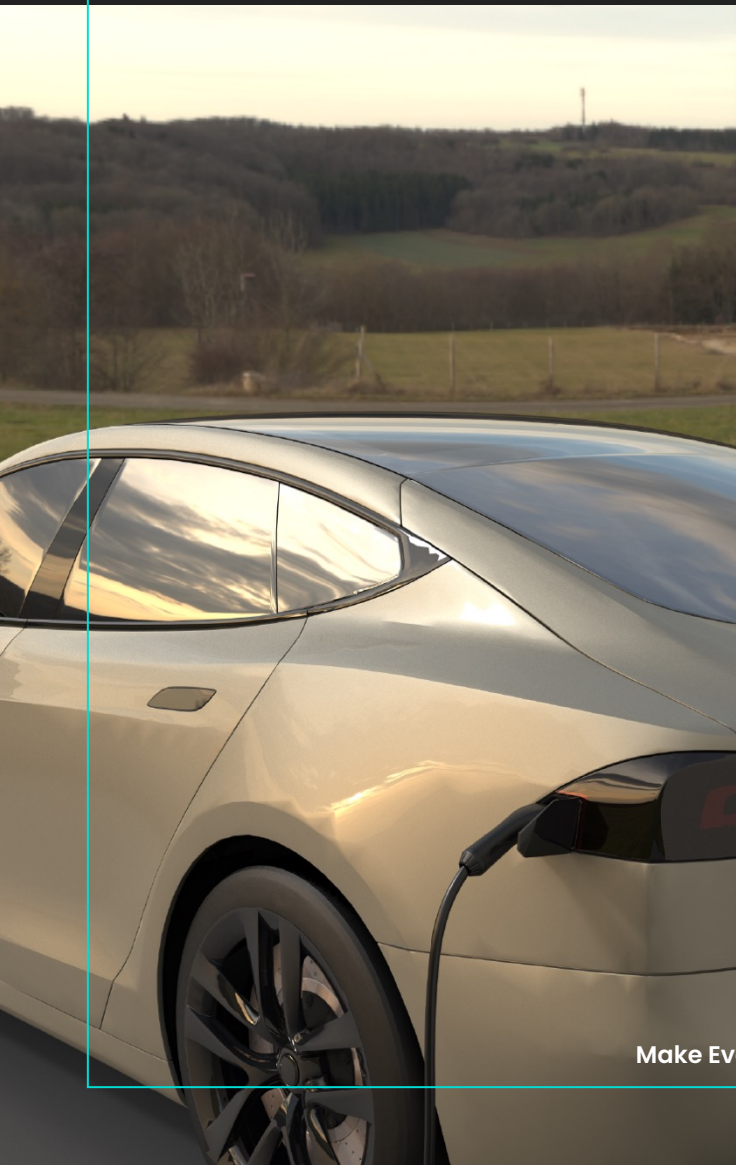


# RAEDIAN

**RAEDIAN**  
**Netherlands B.V.**

As a leading innovator in the EV charging industry, we are dedicated to excellence, delivering professional and reliable solutions that address the evolving needs of both our clients and the environment.

Our mission is to provide customers worldwide with economical, efficient, and environmentally friendly clean energy solutions, ensuring a seamless and user-friendly energy experience.

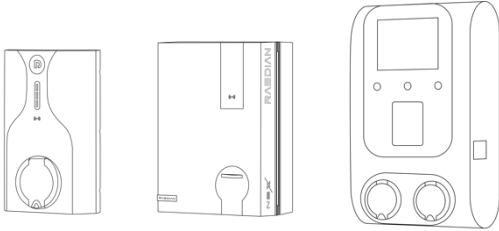


Make Every Charge Count

## Smart AC Wallbox

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Suitable for all charging scenarios, including **home**, **semi-public**, and **public charging**, with capacities ranging from 7 to 22 kW. These EV chargers are downward compatible, providing versatile charging solutions.



## DC Fast Charging Station

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Delivering fast and efficient charging with power capacities ranging from 30 to 180 kW.

Featuring a compact design and an advertising display, they support **card payment** and can integrate with third-party **OCPP backends**, providing versatile and user-friendly charging solutions.

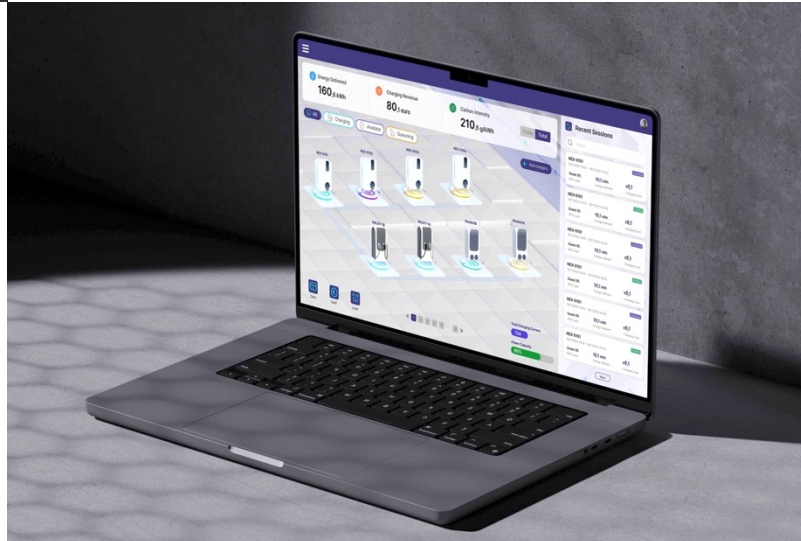


## Charging SaaS System

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RAEDIAN's SaaS creates a unified intelligent charging system with the user app, installer app, NEBULA CMS, EMS, etc.

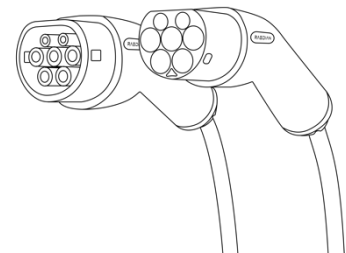
The user app enables real-time monitoring and remote control, the installer app streamlines setups, NEBULA CMS offers management and analytics, and EMS optimizes energy distribution. Combined with RAEDIAN's charging stations, this system ensures outstanding performance.



## Flexible Accessories

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Various accessories are offered for our charging stations to suit different user preferences. These accessories enhance the charging experience, ensuring convenience and addressing a range of needs.

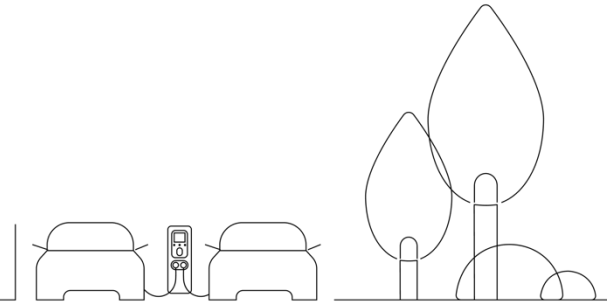


# QUALITY IS THE TOP PRIORITY.

We operate a **highly automated factory** supported by a sophisticated production management system, ensuring that every product meets the highest quality standards.

As a **Tier 1 supplier** compliant with **IATF 16949 standards**, we are committed to delivering superior quality and reliability in our manufacturing processes.

Through continuous technological advancements and process optimizations, our manufacturing system efficiently meets large-scale production demands while maintaining the flexibility to accommodate customization.



Our products and services have received key industry certifications and endorsements.

These recognize our product quality and professional services, offering extra trust and assurance to our customers.



Product certificates

CE/CB - TUV  
MID - SGS  
RoSH - PONY



Tier 1

IATF 16949: 2016



Quality. Environment. Safety.

ISO 9001  
ISO 14001  
ISO 18000



Product insurance

12 million per year



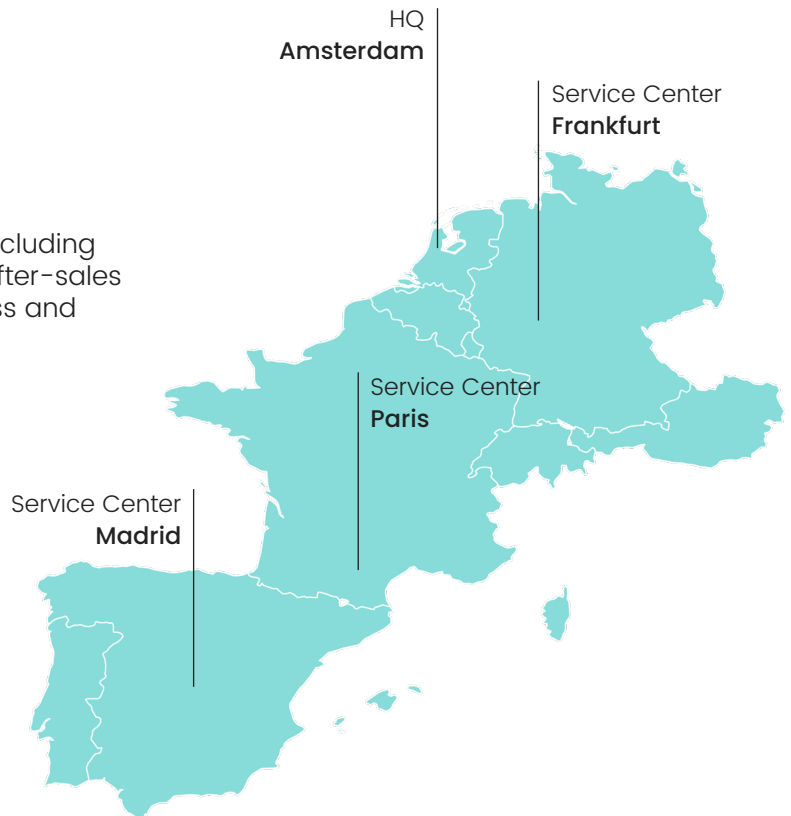
Global pre-sales and after-sales service with after-sales support within

# 24 hours.



We offer a full spectrum of integrated services, including demand analysis, product manufacturing, and after-sales support, ensuring our customers receive seamless and efficient support at every stage.

Our service philosophy is centered on the customer. We focus on helping clients achieve their unique needs and business goals, enhancing their competitiveness with customized solutions.



Follow us | RAEDIAN Global



# Millions

 of global deliveries.

We serve a diverse clientele, ranging from large enterprises to SMEs, and spanning traditional industries to emerging fields.

Our extensive market experience and numerous successful partnerships underscore this broad scope.

The diverse needs and challenges of our customers drive us to continually innovate and improve, deepening our understanding of the market.



# NORA 7 ~ 22kW Smart Home Charging



## Stress-free Installation

Plug & Play!  
Plug into the CEE socket or hardwire connection without opening the box.



## Flexible Load Protection

Flexible setting of power to ensure load safety and prevent tripping.  
Dynamic Load Balance and Solar Charging with Air DLM Kit, via wireless communication.



## Smart Home Charging with APP

Full control of your wallbox with RAEDIAN App.

### Schedule Charging

Schedule off-peak charging to lower charging cost.

### InstaCharge

Start charging immediately at the maximum available current for once.

### Charging Record

Review and filter charging history, one tap to export record via email.

### Share Your Charger

One tap to share limited charging access with your family and friends.



## Adaptive for Any Grid Supply

CEE Adaptor for any location with any grid supply capacity and any socket.



Product Series	Config	CEE Plug			Hardwire
		Wood	Red	Silver	Wood
NORA Socket	7kW	✓	✓	✓	✓
	11kW	✓	✓	✓	
	22kW	✓	✓	✓	✓
	22kW+4G	✓			✓
NORA 5m Cable	7kW	✓	✓	✓	✓
	11kW	✓	✓	✓	✓
	22kW	✓	✓	✓	✓
	22kW+4G	✓			✓

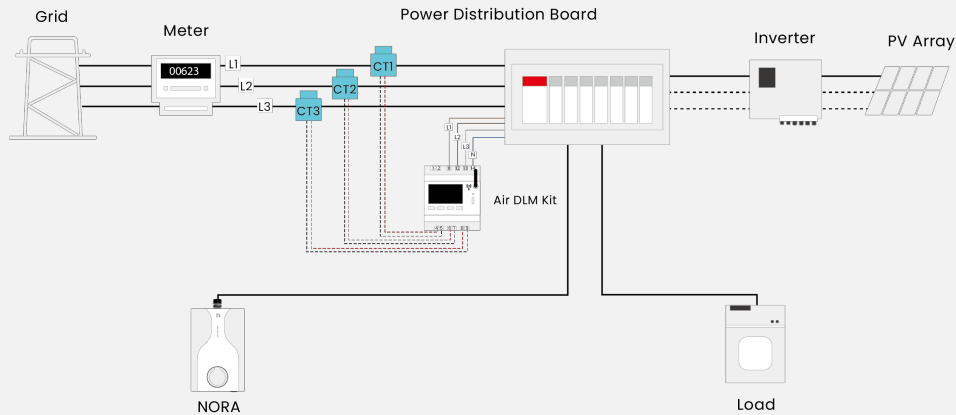
\*Self-paring with Air DLM Kit available via RAEDIAN Install in DEC 2024

# NORA + Air DLM



## Plug & Play Air DLM Kit

Pre-configured Air DLM Kit with NORA as a bundle, plug and play to enable effortless solar charging. Seamless support of Dynamic Load Management and Solar Charging.



## Solar Charging Made Easy

Plug in your EV, with RAEDIAN APP, solar charging is only ONE tap away.

### Solar Only

Utilize only the surplus energy from the solar to charge your EV. The charging session will start when the surplus power is larger than 1.4kW.

### Solar SMART

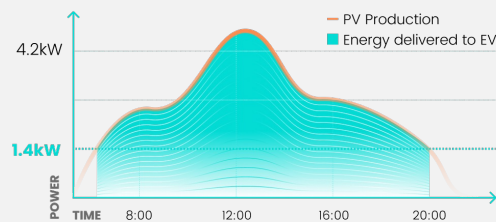
Combine energy from the power grid and solar energy for EV charging for maximum cost saving and minimum carbon footprint.

### InstaCharge

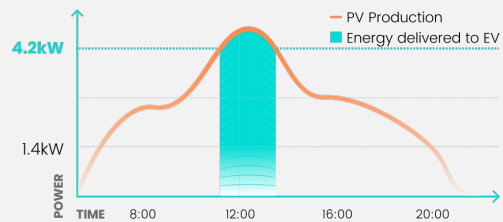
Charge at full speed immediately to utilize all available energy from the power grid and solar.

### Automated Phase Switching

Intelligent phase switching between single phase and three phase charging to maximize the utilization of solar surplus, especially on a cloudy day.



With Automated Phase Switching

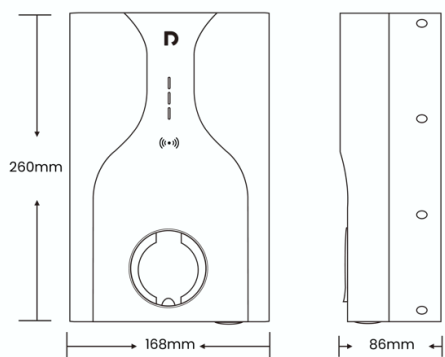


Without Automated Phase Switching

Product Series	Config	CEE Plug			Hardware
		Wood	Red	Silver	Wood
NORA 22kW+4G+Air DLM	socket				✓
	5m Cable				✓

\*Self-paring with Air DLM Kit available via RAEDIAN Install in DEC 2024

# Technical Specification



## Feature & Function

Charging mode	AC Mode 3
Charging connector	IEC 62196 Type 2 cable 5m, Type 2 socket
AC power output	Single phase up to 7.4kW. Three phase up to 22kW with downgrade compatibility
Mounting options	Wall mounted / Pedestal
HMI	Logo LED, status LED
Load management	Via App

## Communication

Interface	WiFi, BLE
User authentication	RFID, App, Plug & Charge
Backend 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, Relay Stuck, Over Temperature
Residual current protection	Type A + 6mA d.c. per IEC 62955
Energy metering	$\pm$ 2% accuracy

## General Design

Operating temperature	-30~55°C with derating mechanism
Operating altitude	2500m
Environmental rating	Indoor and outdoor, IP65, IK10
Dimension	260×168×86mm
Weight	3.9 ~ 6.2kg








## 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-II, EN 61000-3-12

EN 300 328 V2.1.1, EN 300 330 V2.1.1

# Accessories

Product	Product Name	Description
	Charging Cable 7kw	Type 2 to Type 2 Cable, 7kW, 5m
		Type 2 to Type 2 Cable, 7kW, 7.5m
	Charging Cable 22kw	Type 2 to Type 2 Cable, 22kW, 5m
		Type 2 to Type 2 Cable, 22kW, 7.5m
	NORA Adapter Set 22kW	NORA Adapter Set 22kW to CEE 3PI6A/CEE IP32A/ Type E&F/ Type G/ Type L
	NORA Adapter Set 7kW	NORA Adapter Set 7kW to Type E&F/ Type G/ Type L
	Air DLM Kit	Wireless Controller for NORA, DLM, Solar Charging, 3 CT Clamps 100A
	Pedestal Model 1	Pedestal with roof, double side installation, cable hook, NEO/NEX/NORA, Black
	RFID Card	RFID Card, Home, 5 Cards
	Hook	Cable hook, Black