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.
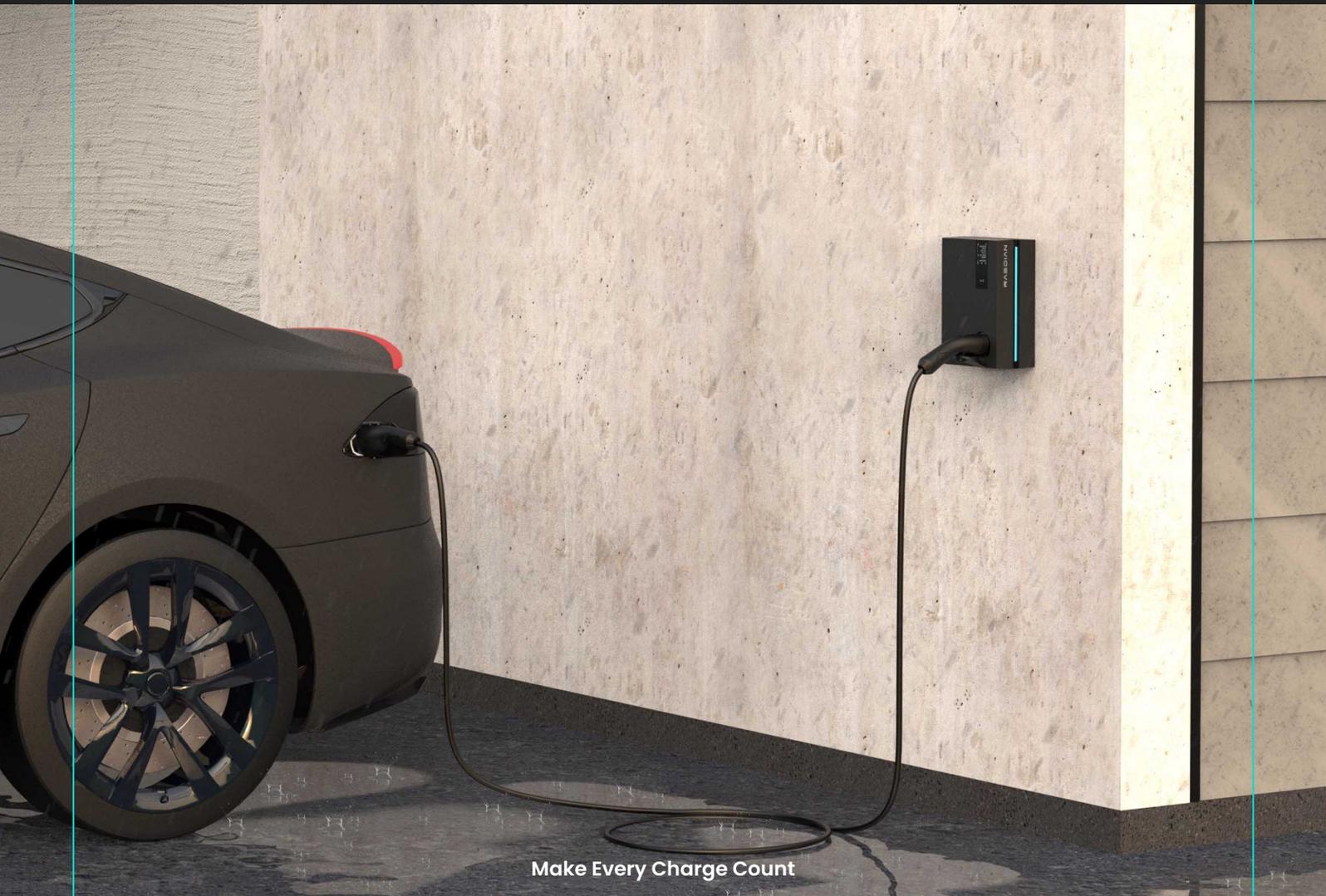
Make Every Charge Count

Smart AC Wallbox

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.
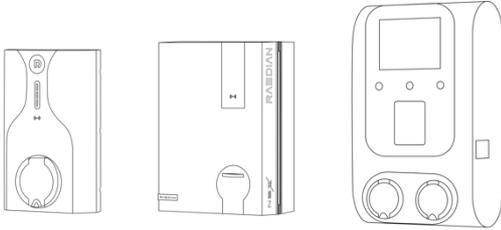
DC Fast Charging Station

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

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.
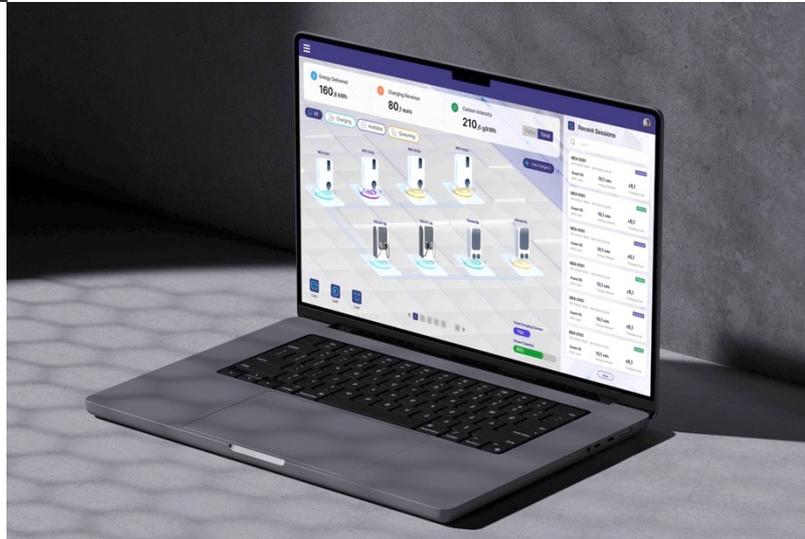
Flexible Accessories

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.
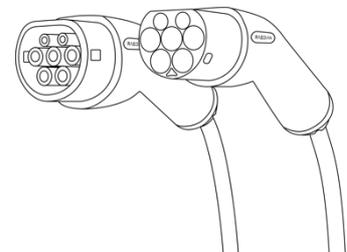
QUALITY IS THE TOP PRIORITY.

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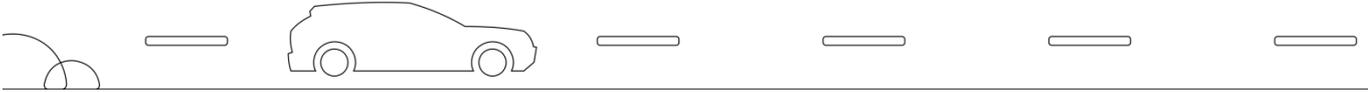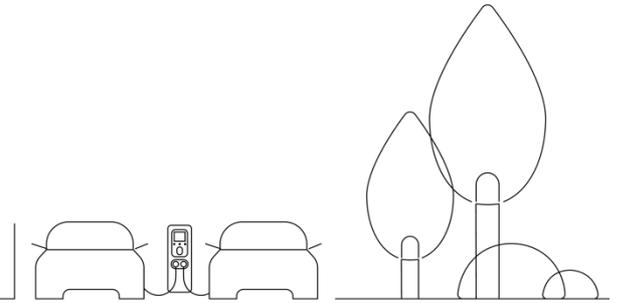
Our products and services have received key industry certifications and endorsements.

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

TÜV SÜD · SGS · PONY	IATF	ISO	PICC
Product certificates	**Tier 1**	**Quality. Environment. Safety.**	**Product insurance**
CE/CB - TUV MID - SGS RoSH - PONY	IATF 16949: 2016	ISO 9001 ISO 14001 ISO 18000	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.
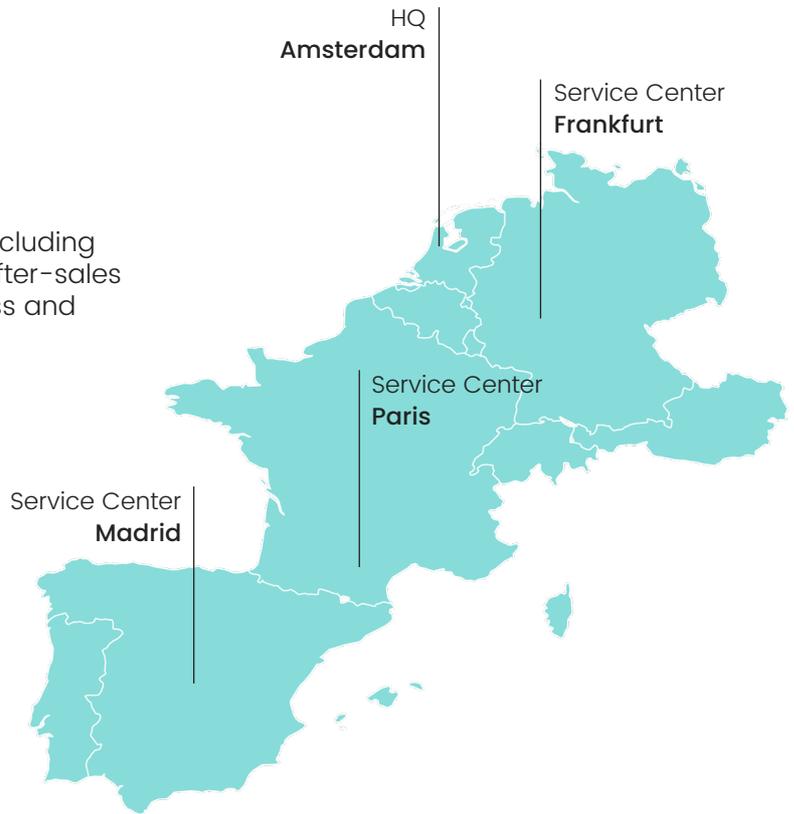
Follow us | RAEDIAN Global

HQ
Amsterdam

Service Center
Frankfurt

Service Center
Paris

Service Center
Madrid

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.

NEO

7 ~ 22kW
Premium Smart Charging

10 mins Hassle-free Installation

Sandwich structure, effortless installation, maintenance free.

Dynamic Load Balancing

Ensure electrical safety by monitoring live consumption via CT clamps.

Dynamically adjusting charging current to protect fuses

Avoiding expensive grid upgrades.

Smart Home Charging with APP

Unlock the full potential of NEO 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.

Intuitive Interaction

OLED Display presents intuitive information including status, charging modes, metering information
Dual LED light stripes offer visibility of charging status meters away.

Flexible Connectivity

Easy connection to your NEO with WiFi or 4G LTE network to manage your charging remotely.

Flexible SIM card options allow you to insert a SIM card of your own or subscribe to our lifetime data plan.

Product Series	Config	Std. WiFi+BLE			4G with User SIM / eSIM			Remark
		5m Cable	Socket	Shutter	Cable	Socket	Shutter	
NEO	7kW	✓	✓	✓	5m ✓	✓	✓	10 configs in 3 colors = 30 SKUs, 6 silver SKUs in stock
	11kW	✓			5m ✓			
	22kW	✓			5m ✓			

Remark: Self-pairing with SC Kit available via RAEDIAN Install in DEC 2024

NEO Plus

Extend your reach with 7.5m cable

🚗 **Greater Flexibility**

Easier connection to the car, regardless of how the vehicle is parked, providing more options for positioning the vehicle.

🏘️ **Better Coverage**

In settings like home garages or commercial stations, a longer cable can serve more parking spots, ensuring accessibility for more vehicles.

🔋 **Enhanced User Experience**

Users don't have to worry about not being able to charge due to the parking position. A 7.5-meter cable provides a more reassuring and convenient charging experience.

🅿️ **Parking Convenience**

With more length, drivers can park in various positions without worrying about the cable reaching the charging port, making it more user-friendly.

👷 **Reduced Installation Costs**

In commercial setups, fewer chargers are needed to cover a larger area, reducing overall installation and maintenance costs.

Certified MID Metering

Built-in certified MID Class B metering ensures precisely right charging consumption.

100% calibrated and inspected production process approved by reputable SGS.

Accurate Charging Bill

Track and control your charging costs with accurate MID-grade consumption.

Easily view and categorize your charging activities by time, authorization, and car type.

Export your charging bill with a single tap and send it to your email effortlessly.

| Product Series	Config	Std. WiFi+BLE			4G with User SIM / eSIM			Remark
		7,5m Cable	Socket	Shutter	7,5m Cable	Socket	Shutter	
NEO Plus	7kW	✓			✓			
	11kW	✓			✓			10 configs in 3 colors = 30 SKUs, Stock 8 SKUs in Silver
	22kW	✓	✓	✓	✓	✓	✓	

Remark: Self-paring with SC Kit available via RAEDIAN Install in DEC 2024

NEO Plus + **SC Kit Bundle**

Plug & Play Solar Charging Kit

Pre-configured SC Kit with NEO as a bundle, plug & play to enable effortless solar charging.

Seamless support of Dynamic Load Management and Solar Charging.
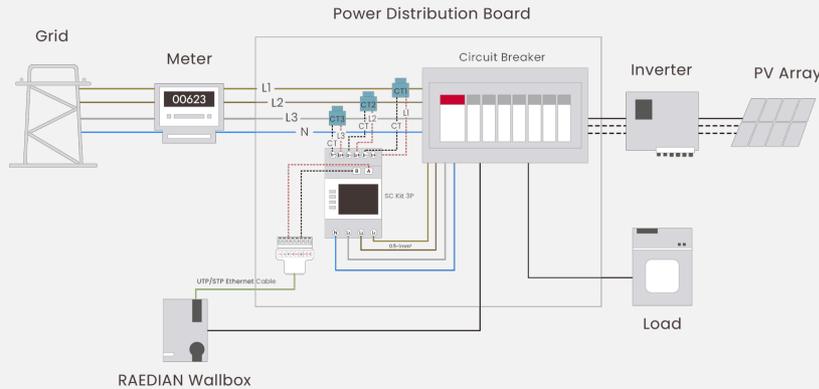
Solar Charging Made Easy

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. Charging session will start when the surplus power is larger than 1.4kW.

Solar SMART

Combine energy from 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 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.
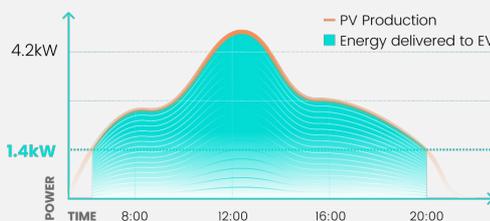

With Automated Phase Switching
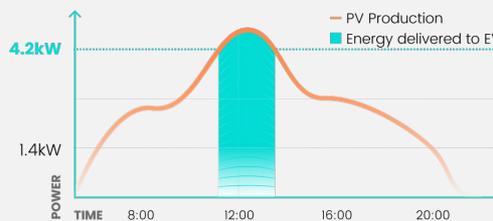
Without Automated Phase Switching

Flexible paring with your NEO

Paring your NEO with SC Kit anytime you need with RAEDIAN Install APP.

Product Series	Config	Std. WiFi+BLE			4G with User SIM / eSIM			Remark
		7,5m Cable	Socket	Shutter	7,5m Cable	Socket	Shutter	
NEO Plus +SC Kit Bundle	11kW	✓						3 configs in 1 colors = 3 SKUs, Stock 3 SKUs in Silver
	22kW	✓	✓					

Remark: Self-paring with SC 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, Type 2 socket with shutter
AC power output	Single phase up to 7.4kW. Three phase up to 22kW with downgrade compatibility
Mounting options	Wall mounted/Pedestal
Display	OLED Display with status indicator and metering information
HMI	LED strips
Load management	Via App, CT Clamp, modbus RTU via RS-485

Communication

Interface	WiFi, BLE, CT Clamp, RS-485, 4G (optional)
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 ± 20%, 50/60Hz Three phase: 230/400VAC ± 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	±1% MID Class B Certified

General Design

Operating temperature	-30 ~ 55°C with derating mechanism
Operating altitude	3000m
Environmental rating	Indoor and outdoor, IP55, IK10
Dimension	297×210×110mm
Weight	4.3 ~ 7.2kg

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 61000-3-11, 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

CE CB

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
	Wall bracket	Wall bracket for NEO/NEX installed on uneven surface
	SC Kit 1P + 1CT	Solar Charging Kit, 1P Meter Unit, 1 CT Clamp, 80A, 1:3000
	SC Kit 3P + 3CT	Solar Charging Kit, 3P Meter Unit, 3 CT Clamps, 80A, 1:3000
	CT Clamp 100A	CT Clamp, 100A, 1:1000, 1m twisted pair cable
	CT Clamp 50A	CT Clamp, 50A, 1:1000, 1m twisted pair cable
	Pedestal Model 1	Pedestal with roof, double side installation, cable hook, NEO/NEX/NORA, Black
	Housing	Housing for NEO/NEX, Front Cover + Backplate, Space grey 5 sets inside package, Space Grey/ Luna Light/ Passion Red
	NE READY	Electrical installation place holder for NEO and NEX front cover + backplate + dummy charger core, Silver
	RFID Card	RFID Card, Home, 5 cards
	Hook	Cable hook, Black