# 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.
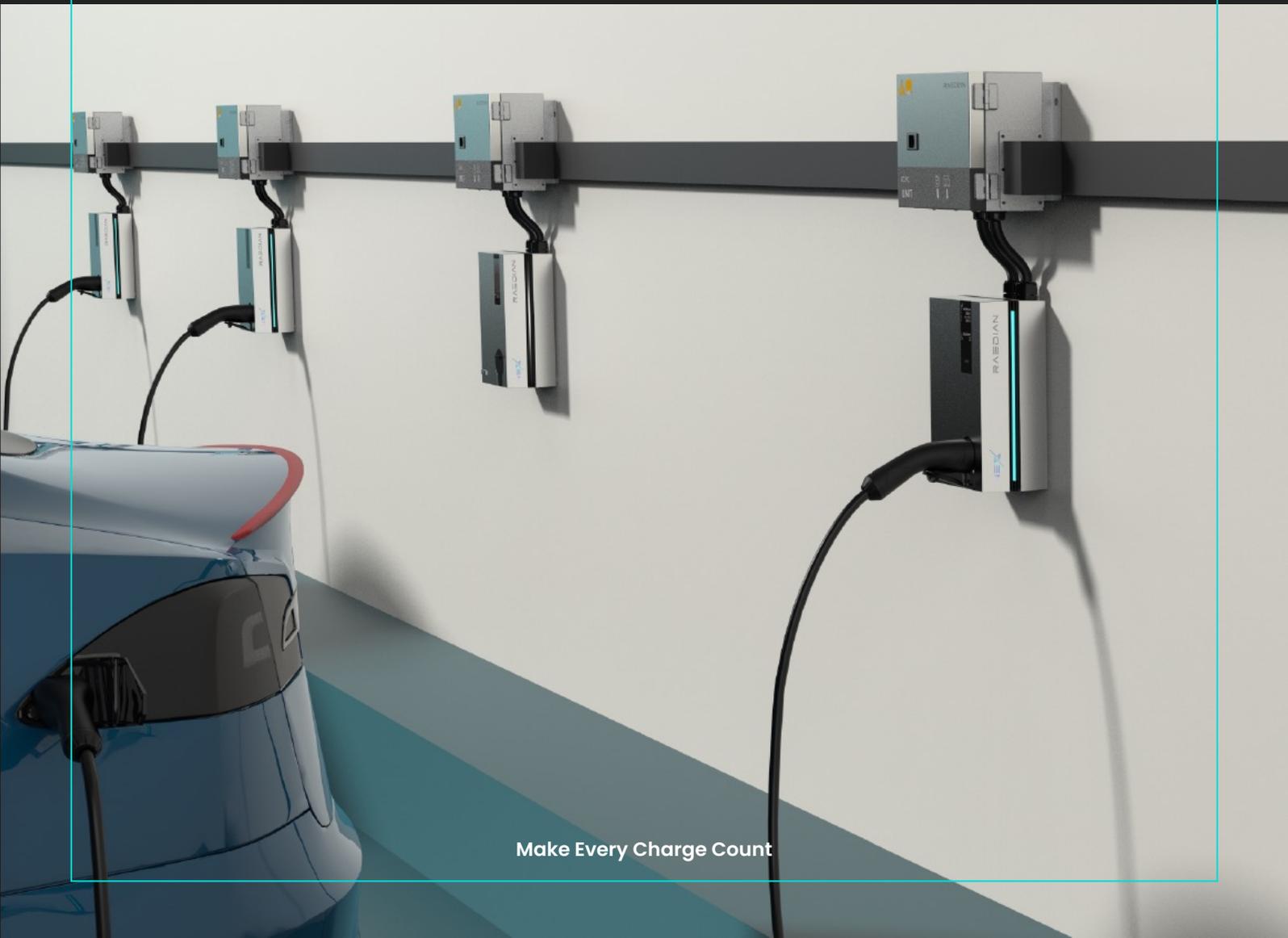
Make Every Charge Count

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.
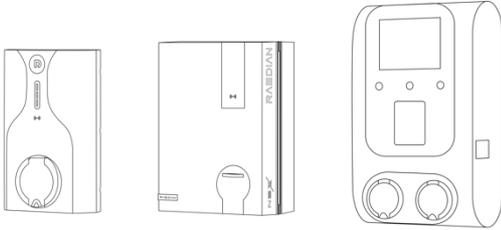
DC Fast Charging Station

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.
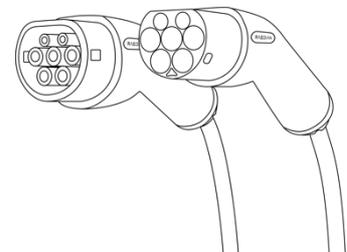
QUALITY IS THE TOP PRIORITY.

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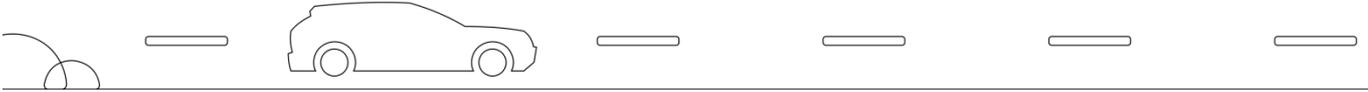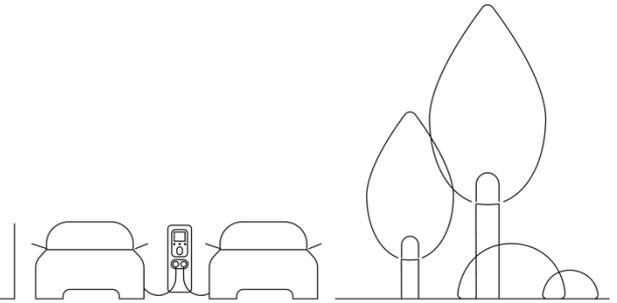
Our products and services have received key industry certifications and endorsements.

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

Product certificates	**TIER 1**	**Quality. Environment. Safety.**	**Product insurance**
CE/CB - TUV	IATF 16949: 2016	ISO 9001	12 million per year
MID - SGS		ISO 14001	
RoSH - PONY		ISO 18000	

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.
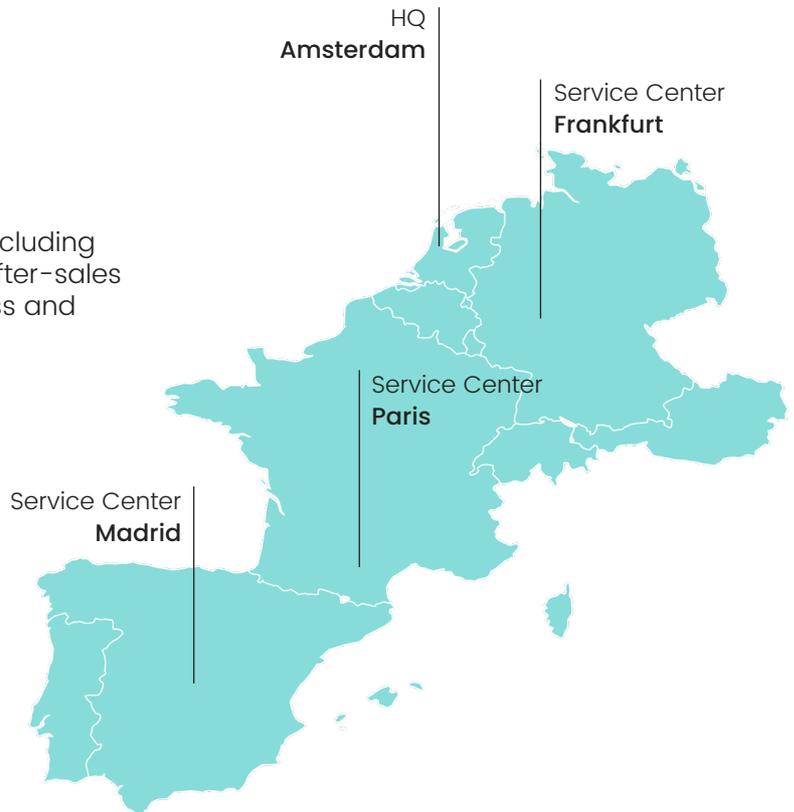
Follow us | RAEDIAN Global

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.

NEX
22kW
Semi-public Charging Solutions

Plug and Play Power Distribution System with Busbar

ECPC HUB with RCD, SPD, MID metering, and EMS, ECPC UNIT with upstream RCD.

Maximize installation and hardwire cost-saving.
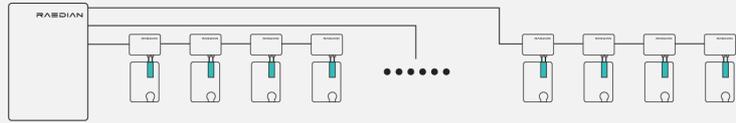
Daisy Chain Connectivity

Implement Ethernet connectivity for OCPP and Modbus TCP in series, minimize networking hardware cost, and reduce commissioning effort.
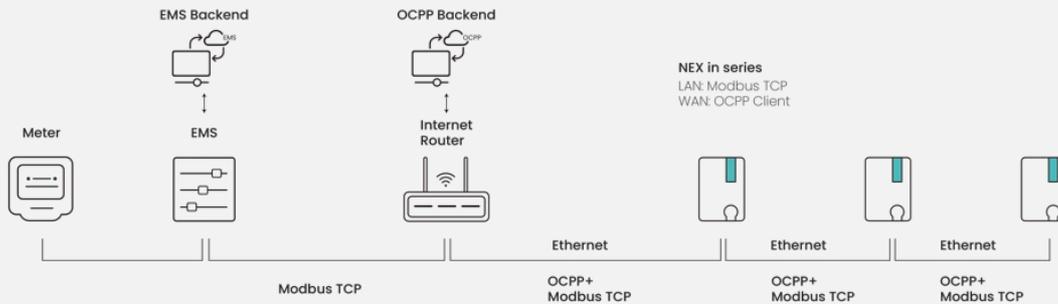
Turnkey Solution for Site Operation

Dynamic local load management with EMS

Modbus TCP connected EMS to balance multiple charging sessions in parallel.

Scale up anytime without grid capacity upgrade.

Management mixed portfolio

Managing AC and DC high power chargers in the same system in Nebula CMS and EMS.

MID trustworthy billing

Fully integrated MID meter of ±1% accuracy, certified by SGS.

100% calibrated and inspected during production.

Product Series	Config	Std. WiFi+BLE			Remark
		7,5m Cable	Socket	Shutter	
NEX	22kW	✓	✓	✓	3 configs in 1 colors + 2 Bundles =5 SKUs, Stock 3 SKUs in Silver
NEX +SC Kit Bundle	22kW	✓	✓		

Nebula CMS

Zero barrier charging management system that allows you to run hassle-free charging sites operation.
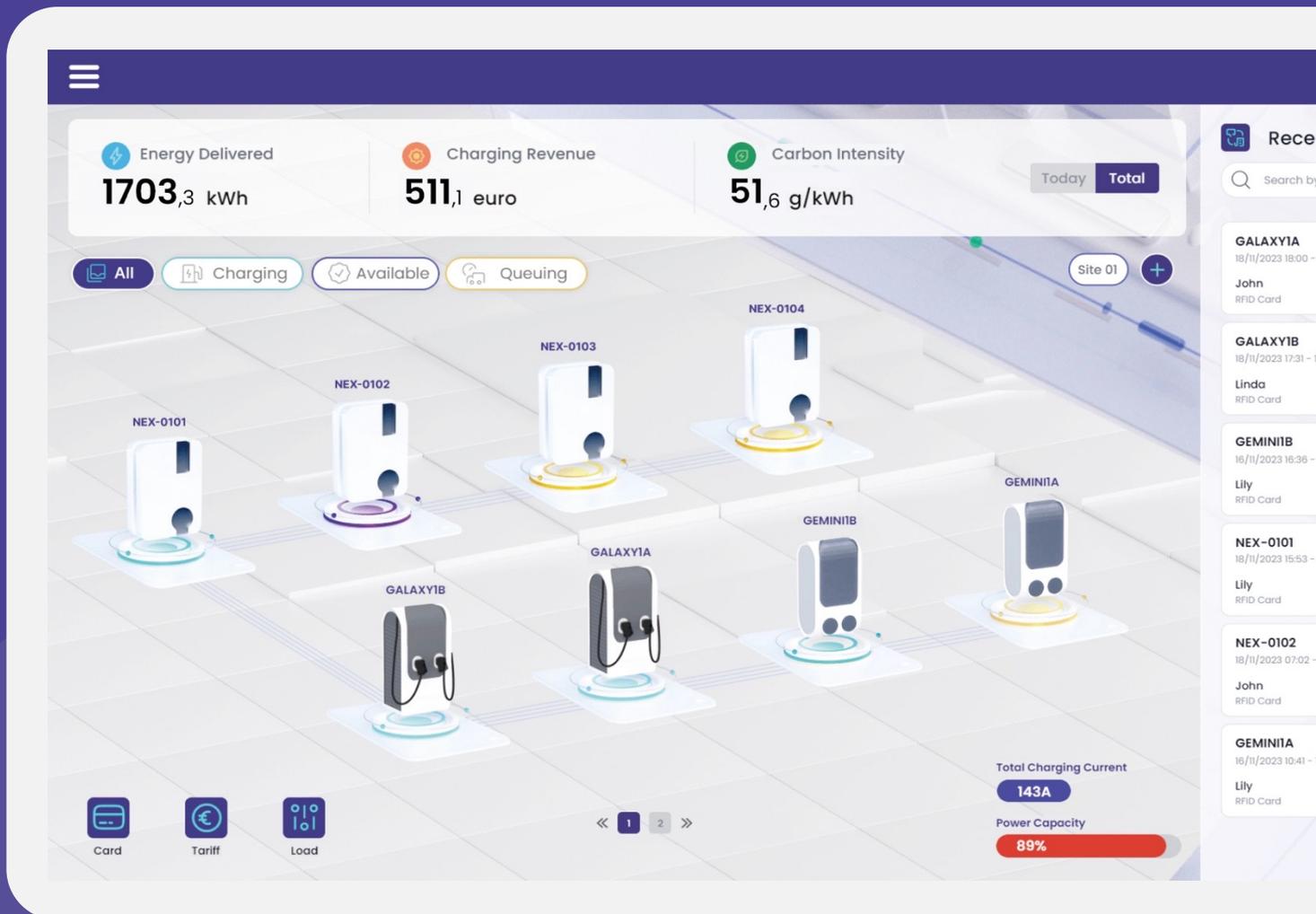
Build your own charging sites and visualize your charging sites operation.

Create RFID card for your customer and manage access.

Setup tariff and differentiate by different customer group.

Invoices and receipts with kWh consumption and pricing, are automatically generated and sent by email.

Trustworthy charging consumption record based on integrated MID metering.

Flexible billing methods including paid-by-session and monthly billings.

Technical Specification
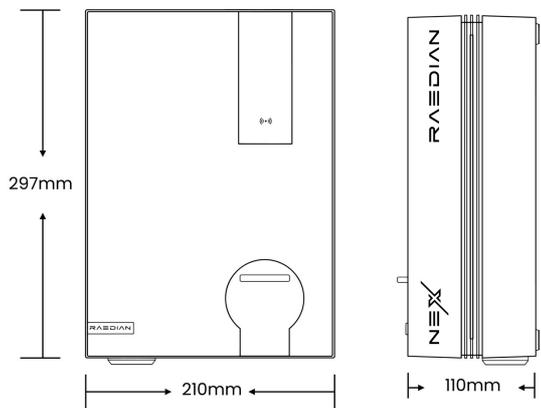
Feature & Function

Charging mode	AC Mode 3
Charging connector	IEC 62196 Type 2 cable 7.5m, Type 2 socket, Type 2 socket with shutter
AC power output	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 TCP via LAN and WLAN

Communication

Interface	WiFi, BLE, 4G with integrated eSIM (User Nano SIM slot by request), Ethernet*2 with daisy chain
User authentication	RFID, App, Plug & Charge
Backend protocol	OCPP 1.6 JSON
Software upgrade	OTA via App, OCPP

Electrical Design

Power supply	Three phase: 230/400VAC ± 20%, 50/60Hz TN/TT/IT
Protection	UVP, OVP, OCP, Relay Stuck, Over Temperature
Residual current protection	Upstream at least Type A + Integrated 6mA DC per IEC 62955
Energy metering	±1% MID Class B certified

General Design

Operating temperature	–30 ~ 55ºC with derating mechanism
Operating altitude	3000m
Environmental rating	Indoor and outdoor, IP55, IK10
Dimension	297×210×110mm
Weight	4.7 ~ 7.7kg

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

EN 50470-3, EN 62053-23

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
	Pedestal Model 2	Pedestal for 2*NEX, back to back installation, Protection Cabinet with DIN Rail
	Protection Components of Pedestal Model 2	Pre-installed protection components in the protection cabinet, 2* Type A RCBO, 5G25 Powerbus up to 80A
	Housing	Housing for NEO/NEX, Front Cover + Backplate, Space grey, 5 sets inside package, Space Grey/ Luna Light/ Passion Red
	NE READY	Electrical installlation place holder for NEO and NEX, front cover + backplate + dummy chargercore, Silver
	RFID Card	RFID Card, Home, 5 Cards
	Hook	Cable hook, Black