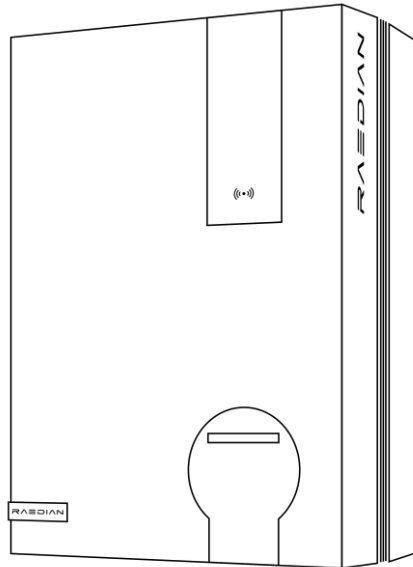


ENERGIZE THE FUTURE OF EMOBILITY

RAEDIAN



USER MANUAL

NEO

SOCKET VARIANT



Safety Notice

It's crucial to familiarize with this manual and abide by all safety precautions outlined, including those indicated by safety markings on the equipment.

General safety first While this manual provides helpful guidance, it's not exhaustive. Always prioritize general safety requirements, design, production, and established safety standards when operating the charger.

General safety first While this manual provides helpful guidance, it's not exhaustive. Always prioritize general safety requirements, design, production, and established safety standards when operating the charger.

Check before you charge Never use a charger that appears defective, cracked, damaged, or malfunctioning. It's better to be safe than sorry.

Keep water way Direct water exposure can damage the charger. Opt for a sheltered location for optimal performance and longevity.

Avoid hazardous locations Never install the charger near or in areas with flammable materials like gasoline, explosives, chemicals, or steam. Treat it like keeping lighters away from fireworks for safety!

Seek shade Direct sunlight can impact the charger's performance. Opt for a shaded area for efficient charging.

Extreme weather warning Extreme weather conditions, like heavy rain, snow, or scorching heat, can compromise the charger's functionality. Avoid using it in such circumstances.

EV manual matters Before charging your specific electric vehicle with this product, always consult its manual for any additional safety instructions or compatibility detail.

Protecting the product

- Keeping safety marks, warning signs, nameplates, and cabling marks intact ensures you have readily available safety information.

- Never insert fingers or sharp objects into any product component. Curiosity can lead to injury.
- Don't submerge the charging connector in water. Remember, electricity and water don't mix!

Prepping for safe charging

- Always turn off your electric or hybrid vehicle before charging. Safety first!
- Resist the urge to disassemble, repair, or modify the product yourself.
- Avoid dropping, squeezing, or piercing the product. Treat it with respect to avoid device faults.
- Don't fold, crush, or damage any component with sharp objects. Keep it smooth and safe.

Stick to your vehicle

Only connect the charger to a vehicle, not other devices. Mixing and matching can lead to trouble or damages.

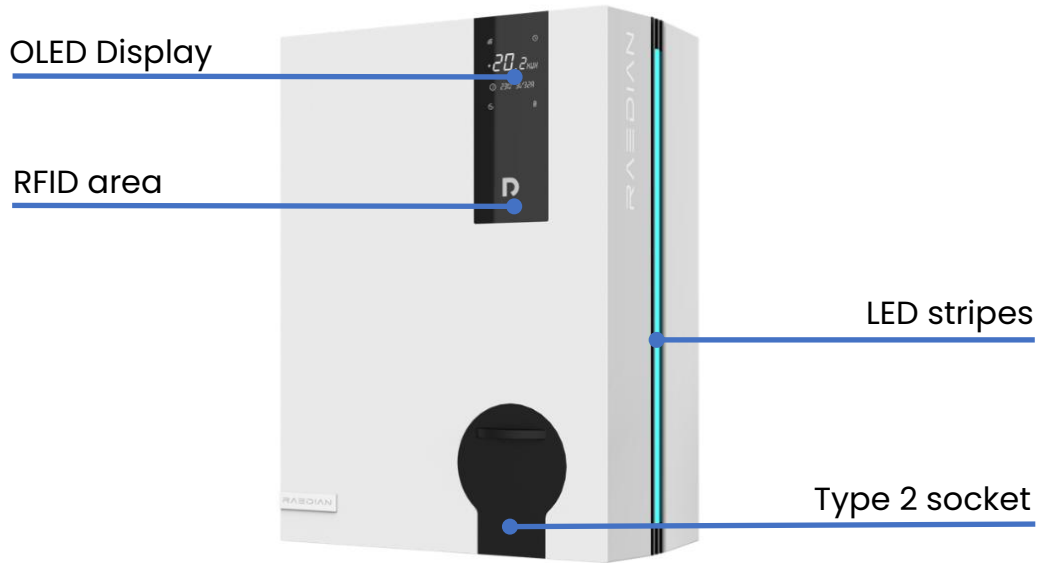
WARNING

This product shall only be installed, repaired or serviced by certified electricians. All applicable local, regional and national regulations for electrical installations must be followed strictly.

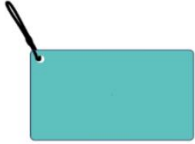

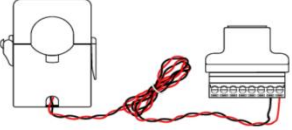



Notice of PIN Code

The PIN code is required for the charger register and located on the front of quick guide, backplate and product label. Once the charger is registered in the APP, please reset PIN Code.

1. Product overview



2. Accessories

 <p>RFID card X2</p>	 <p>Security label</p>	 <p>CT clamp and adaptor</p>
 <p>Wall mounting screw X4 Plastic anchor X4</p>	 <p>Security screw X2</p>	 <p>Rubber plug</p>

3.Specification

Feature and Function	Socket
Charging mode	AC Mode 3
Charging connector	Type 2 socket, Type 2 socket with shutter
AC power output	7/22KW
Mounting options	Wall mounted or pedestal with wiring backplate
HMI	OLED screen , LED stripes
Load management	Via App, CT Clamp, RS-485

Communication	
Interface	Wi-Fi, BLE, 4G (optional), CT Clamp, RS-485
User authentication	RFID, APP, Plug and Charge
Backend protocol	OCPP 1.6 JSON
Software upgrade	OTA via APP, OCPP

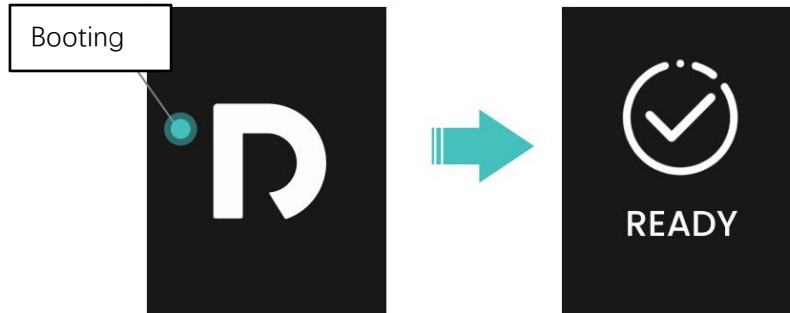
Electrical Design	
Power supply	Single phase: 230VAC \pm 20%, 50/60Hz Three phase: 230/400VAC \pm 20%, 50/60Hz
Earthing system	TN/TT/IT
Protection	UVP, OVP, OCP, Relay Stuck, Over Temperature
RCD	Type A +6mA d.c. per IEC 62955
Energy metering	\pm 1% Accuracy

General Design	
Operating temperature	-30 to 45°C without direct sunlight -30 to 55°C with derating mechanism
Operating altitude	3000m
Environmental rating	Indoor and outdoor, IP55, IK10
Enclosure dimension	297x210x110 (mm)
Net Weight	3.0kg

4. How to use my charger ?

Step1 Power on

Power on the charger. OLED Display and LED light stripes will be automatically on.



After the booting, the OLED Display will show READY.

1 Connectivity

- Wi-Fi
- BLE
- 4G (optional)

2 Energy Delivered

3 Phase

- 1 Phase
- 3 Phase

4 EV Connected

5 Schedule

6 Voltage

7 Real-time Charging Current/ Current Available

8 Charging

9 Load Management Scene

- H Home Balance
- S Solar Only
- S+ Solar Smart
- E EMS

OTA...





OTA

Error Code

E1000

Faulted

LED stripes indicators

LED Status		Definition
White		Available
Green		Preparing, Cable plugged in Pending for authorization or waiting for EV
Cyan		Charging in progress
Red		Fault state

Step 2 EV charging

Plug charging connectors into the socket on the wallbox and EV charging inlet

Step 3 Connect with your mobile phone

Scan the following QR code and download RAEDIAN APP. Use Bluetooth close to the charger and get connected.

Notice For safety and protection, you should push in socket cover when finish charging session.

User APP download



For further APP use, please scan and follow RAEDIAN video channel.



5.Maintenance

Chargers do not need special maintenance. You are advised to check and clean the enclosure of the charger and accessories such as the charging connector every six months. Check whether the charger and cable are damaged. Use a dry cloth to clean the surface of the charger.

6.Warranty policy

The charger is guaranteed to be free from material defects and complies with consumer protection laws and regulations in the country of purchase. All correctly installed RAEDIAN hardware is covered by a limited warranty. The specific warranty periods depend on local regulations. If your charger needs repair during the warranty period, you should contact RAEDIAN distributors. More details can be found on the RAEDIAN support website: www.raedian.com

7.Return and complain policy

Contact your RAEDIAN distributor or RAEDIAN customer support regarding the return and complain of your product.