



EN+ SMART AC CHARGER

# CARO Plus

7kW | Single Phase

One smart charger.  
At home and at work.

## HOME

Solar PV, load balancing, App  
scheduling — SEAI grant eligible

## BUSINESS

QR scan-to-pay, RFID, Evcharge  
Cloud billing — your tariff

Up to 5-year extended warranty

EN+ Hardware. Evcharge Software. Irish Support.

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## INTRODUCING CARO PLUS

# Award-winning design. Automotive-grade inside.

CARO Plus is EN+'s next-generation 7kW smart charger and a Red Dot design award winner. Built to automotive-grade standards with advanced cybersecurity, it's ready for the single-phase supply found in most Irish homes and smaller businesses — with smart features for both.



### Automotive-grade, IK10

Built to standards endorsed by car manufacturers, with IK10 impact and IP54 protection.



### Cybersecurity certified

EN 18031-1 — now a required EU standard — and validated by independent penetration testing.



### Solar PV compatible

ECO and MIX modes charge from your own solar generation.\*



### Dynamic load balancing

Adjusts charging to the building's demand to prevent overloads.\*



### Three ways to start

Plug & Charge, RFID (2 cards included) or App.



### Easy installation

Rear or bottom cabling, wall or pole mount; commission in minutes via the EN+ App.

\*CT load balance / PV solar kit required.

### At home

Night-rate scheduling · solar PV · protects your supply · €300 SEAI grant

### At work

QR scan-to-pay · RFID · Evcharge billing · 100% ACA tax relief

## CHOOSE YOUR VERSION



### Socket

Type 2 socket, or with shutter



### Tethered cable

Type 2 cable attached



### Pole mount

Optional pedestal

### 7kW

Single phase, 32A

### IK10

Impact protection

### OCPP

1.6J · 2.0.1 upgradable

### 4-way

Wi-Fi · Ethernet · Bluetooth · 4G opt.

# 5 yrs

### Extended warranty available

2 years as standard, extendable up to 5 years with IA Charger.

FOR YOUR HOME

# Smart, economical home charging

Charge overnight on a cheaper rate, use your own solar power and protect your home's supply — all controlled from the Evcharge App.



## Schedule around night rates

Plug in when you get home; the App starts charging in your cheaper window.



## Protects your supply

Reduces charging automatically when the shower, heat pump or oven is on.\*



## Evcharge App

Start, stop, monitor and view charging records from your phone.



## Share your charger

Give family or guests access and see who used what.



## Plug & Charge

No App needed — just plug in, or tap an RFID card.



## Work expenses

Charging records make it easy to claim for a company car.

**€300**

## SEAI home charger grant

For homes with off-street parking; installation by a Safe Electric registered electrician.

**€0 BIK**

## Company EV drivers

An employer-installed home charger for a battery-electric company car can be benefit-in-kind exempt.



GOT SOLAR? PUT IT IN YOUR CAR.

## Choose how your solar power charges your EV

### ECO

#### Solar only

The most economical charge.

### MIX

#### Solar + grid

Solar topped up for speed.

### GENERAL

#### Grid

When getting charged is the priority.

\*CT load balance / PV solar kit required for load balancing and PV modes. Grant and BIK details as at October 2026 — subject to SEAI and Revenue conditions.

## FOR YOUR BUSINESS

# Commercial charging on a single-phase supply

The best commercial option where three-phase power isn't available or needed. Offer charging free, recover your costs or run it as a paid service — you control the tariff.



### QR scan-to-pay

Visitors scan, pay and charge — no app download or sign-up.



### You set the tariff

Evcharge handles the transactions and funds flow.



### RFID access

Secure access for staff, members or residents.



### Evcharge Cloud

Remote monitoring, usage reports and fault alerts.



### Open standard

OCPP 1.6J, upgradable to OCPP 2.0.1; over-the-air updates.



### Multi-charger ready

Load balancing across chargers with the EN+ controller.

## 100%

### Accelerated Capital Allowance

Qualifying businesses can deduct eligible charging equipment in year one (min. spend €1,000).

## €0 BIK

### Staff charging

Workplace chargers open to all employees and directors are benefit-in-kind exempt.



### IDEAL FOR

Clubs & sports grounds

Cafés & restaurants

B&Bs & Airbnb

Apartments

Small workplaces

Shared parking

## Free, cost recovery or paid — **your choice**

Set a discounted staff rate, charge visitors more, or keep it free for customers. Billing is handled by Evcharge Cloud.

ACA and BIK eligibility depend on the business and Revenue/SEAI conditions; ACA scheme runs to 31 December 2030. Confirm with your accountant or tax adviser.

## TECHNICAL SPECIFICATION

# CARO Plus 7kW — datasheet

| ELECTRICAL            |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Models                | AC7000-BE-45C3 (socket) · AC7000-TE-45C3 (shuttered socket) · AC7000-AE-45C3 (cable) |
| Power supply          | 1P + N + PE                                                                          |
| Voltage / frequency   | 230V AC, 50Hz                                                                        |
| Rated current / power | 32A / 7kW                                                                            |
| Metering accuracy     | 2%                                                                                   |
| Connector             | Type 2 socket, socket with shutter, or Type 2 cable                                  |

| INTERFACE & COMMUNICATION |                                                           |
|---------------------------|-----------------------------------------------------------|
| LED indicator             | Green / yellow / red                                      |
| RFID                      | MIFARE Classic ISO/IEC 14443-A (DESFire, FeliCa optional) |
| Start mode                | Plug to Charge / RFID card / App                          |
| Communication             | Wi-Fi, Ethernet, Bluetooth standard; 4G optional          |
| OCPP                      | OCPP 1.6 JSON / OCPP 2.0.1 J (upgradable)                 |
| Local communication       | RS485 Modbus RTU / Modbus TCP                             |

| SAFETY                |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| RCD                   | 30mA Type A + 6mA DC                                                                                                             |
| Ingress / impact      | IP54 / IK10                                                                                                                      |
| Electrical protection | Over-current, residual current, ground, surge, over/under voltage, over/under frequency, over-temperature                        |
| Certification         | CE, CB, RoHS, REACH, EN 18031-1                                                                                                  |
| Standards             | EN IEC 61851-1:2019; EN IEC 61851-21-2:2021; EN IEC 61000-6-1/-3; EN 300 328; EN 300 330; EN 301 489-1/-3/-17; EN IEC 62311:2020 |

| PHYSICAL & ENVIRONMENT |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| Enclosure / colour     | PC / Black (Pantone Black C)                                                 |
| Size (H×W×D)           | 365 × 201 × 139mm                                                            |
| Installation           | Wall mount / pole mount (optional)                                           |
| Operating temp.        | -30°C to +50°C                                                               |
| Humidity / altitude    | 5–95% / ≤ 2000m                                                              |
| Warranty               | 2 years standard — extended warranty up to 5 years available from IA Charger |

## GET A QUOTE

# Home or business — let's get you charging

Tell us about your property, your electrical supply and any solar installation. We'll recommend the right CARO Plus setup, arrange installation if you need it, help with any grant — and ask us about extending your warranty up to 5 years.

**EN+ Hardware. Evcharge Software. Irish Support.**



**IA CHARGER**

**Get a CARO Plus quote**

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