Charge Amps **Dawn Professional**

An EV charger with up to 22 kW charging capacity – future-proof and scalable for smooth installations in housing cooperatives and corporate environments.

The benefits

- Always connected: Free integrated 4G, WiFi, and LAN for stable and reliable operation. Forever

- 5-year warranty

- Certified MID meter for fair billing and simplified administration

- One of the market's most complete and advanced dynamic load balancing and phase balancing solutions

- Future-proof, ready for upcoming technologies with ISO15118 support

- Cost-effective and scalable solution – install an unlimited number of chargers and expand with ease

Compatible with

- Charge Amps App for planned charging and more

- Charge Amps Cloud for reporting,history, statistics and more

- Charge Amps Beam charging cable

- Charge Amps Amp Guard for dynamic load balancing

- The function Green Charging for charging from solar panels

- Charge Amps Pole Mount for mounting on a pole

- Charge Amps Column, mounting solution

Built for tomorrow

Charge Amps Dawn Professional has been designed by Joachim Nordwall, former head designer at the sports car manufacturer Koenigsegg, and built with the latest technology and a future-ready approach to deliver the ultimate charging experience for many years to come. The installation is simple, the charger user-friendly, and the energy efficiency unparalleled..

Future-proof solutions

Charge Amps Dawn Professional has been developed with the next generation of charging needs in mind. With ISO15118 support, it is ready for Plug and Charge, enabling smoother and more secure charging without additional authentication. As standard, every charger is equipped with a certified MID meter that precisely measures actual electricity consumption per charging session. This ensures transparency and fairness, for example in housing cooperatives or workplaces, where each user only pays for their own consumption.

Stay connected. Stay ahead

All consumption data is collected in Charge Amps Cloud – a solution that simplifies monitoring, cost allocation, and billing. Users gain full control over their charging costs, while administrators can easily generate reports and access statistics through the history stored in the cloud. Charge Amps Dawn Professional is automatically updated with the latest software over the air. It is OCPP-compatible and can be connected to any cloud service for full control.

Scalability without limits

Charge Amps Dawn Professional is designed to expand effortlessly – no matter how great your needs become. Thanks to smooth daisy-chaining, both installation and future maintenance remain simple and cost-effective. The system can grow alongside your business, and with a modern, future-proof technical platform, you are always ready to meet both today's and tomorrow's demands. The charger comes fully equipped and ready for installation, with a pre-installed LAN module for stable connectivity, as well as a pre-mounted MCB and terminal block for daisy-chaining power cables. Everything you need – straight out of the box.

Maximum performance with smart power management

To prevent overload when multiple vehicles are charging simultaneously, Charge Amps Dawn Professional is equipped with dynamic load and phase balancing via Charge Amps Cloud. The system automatically distributes available power between the chargers, ensuring each car receives optimal charging based on the property's electricity capacity. With the Charge Amps Amp Guard accessory, the building's main fuse is further protected, as charging adapts in real time to other electricity consumption. This makes it possible to install more chargers on the existing power connection – without power peaks or costly grid expansions.

The result

More efficient installation, lower operating costs, and maximum revenue through optimal utilization – every day, all year round.

Technical specifications

Part number	Visit www.chargeamps.com for more information
Charging current	6–32 A, 1- or 3-phases
Voltage	230/400 V
Operating temperatures	– 35 °C till + 45 °C
Identification	RFID
Charging standard	Mode3
Connectivity	WiFi, 4G LTE-M*, Bluetooth, LAN
Communication protocol	OCPP 1.6J
Fault current protection	Built in RCD Type-B complying with IEC 60947-2. AC: 30mA, DC: 6mA
Metering	MID, 3-phase voltage, current and power
IP rating	IP 54
IK rating	IK 10
Socket	Type 2, 22 kW
Dimensions (W × D × H)	250 × 145 × 378 mm
Weight	4,2 kg
SIM card	Included in the charger*
Short circuit safety	Included, 32A C curve
Incoming power cable, conductor dimensions	Installing from top or bottom: 16 mm2. Installing from back: 10 mm2Y
ISO15118	Yes

Coverage via the LTE/LTE-M network is required for 4G connectivity to work. 4G connectivity (LTE/LTE-M) is included.