AmpSociety

Charging without compromise

The essence of 44,000 charging points

AmpSociety is the result of the accumulated expertise in ChargeNode, Sweden's leading charging operator, managing over 44,000 charge points, including 60,000 of ChargeNode's own successful charging technology-

We know what it takes to create a safe, reliable, and seamless charging experience.

Since 2023, the development of next-generation charging systems has been driven by AmpSociety as a subsidiary of ChargeNode.

AmpSociety's mission is to electrify the world with transformative, well-designed, and future-proof charging solutions – one parking space at a time.

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60 000

charging points sold from previous product generations

+5

million charging sessions

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What we do

A professional standard for reliable, scalable and turnkey charging systems

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Say good bye to patchwork charging solutions

Traditional charging stations are designed to operate stand-alone. They lack the holistic approach of a natively designed charging system where all modules are optimized and designed to work seamlessly together for maximum uptime.

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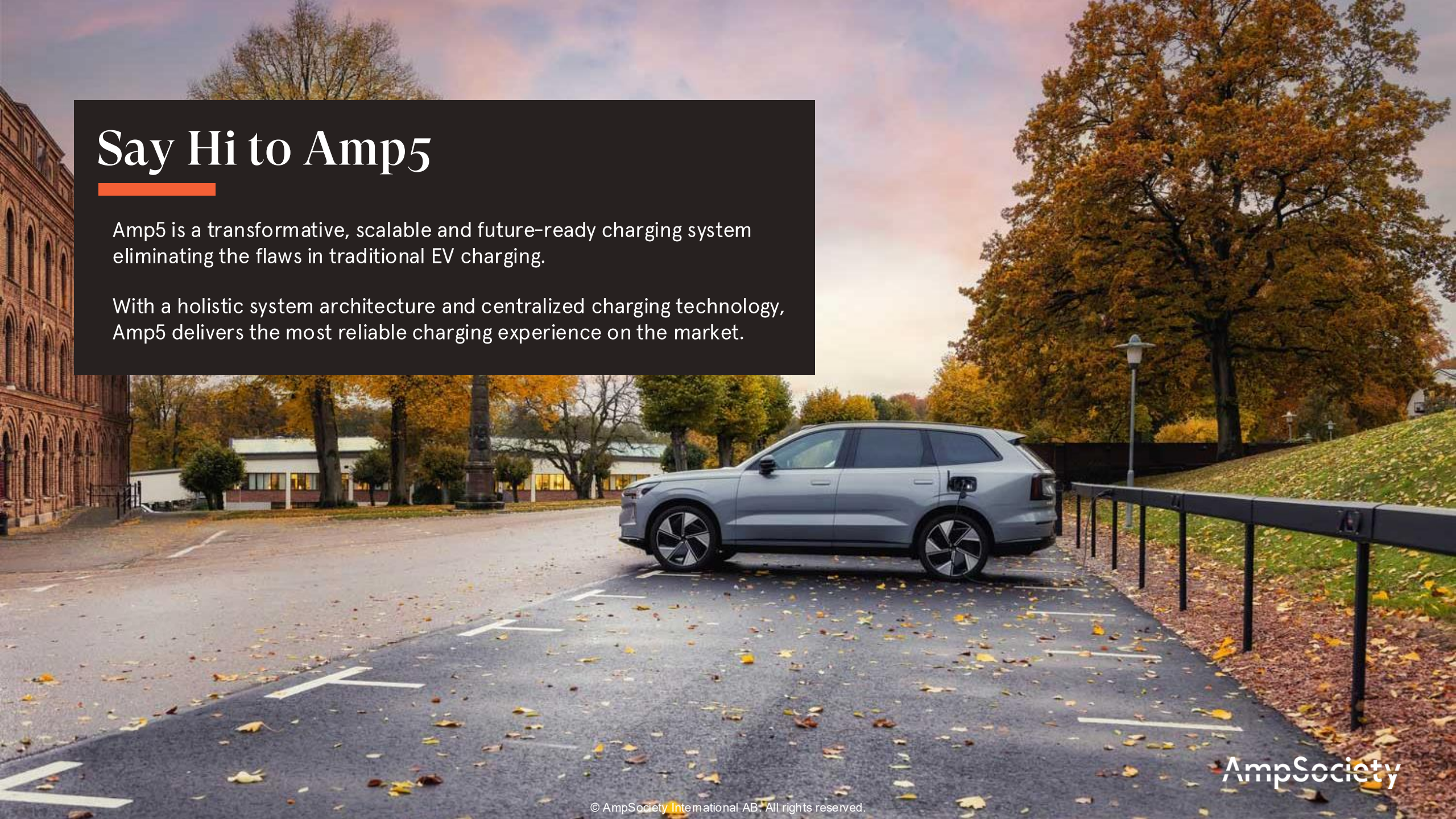

Say Hi to Amp5

Amp5 is a transformative, scalable and future-ready charging system eliminating the flaws in traditional EV charging.

With a holistic system architecture and centralized charging technology, Amp5 delivers the most reliable charging experience on the market.

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Amp5 modules

All Amp5 modules are pre-tested and designed to work seamlessly together for maximum uptime.

SmartHub

SmartHub is the heart of Amp5, featuring

- Redundant connectivity (LAN + 4G)
- Remote controlled residual current protection
- Centralized surge protection
- Emergency stop
- UPS - Battery backup
- Dynamic load balancing
- FOTA/OTA software updates

ChargePod

ChargePod includes one or two charging ports, Type B RCD and a display for real-time communication, supporting charging with digital QR codes and encrypted RFID or phone tags.

ConnectBar

ConnectBar is the fast connector for linking two ChargePod units and can be adapted to support parking spaces between 2.3 and 3.3 meters wide.

Coming in 2026

Satellite

Satellite is our sleek, wall-mounted charging station designed for parking areas where charging needs are distributed across different sections.

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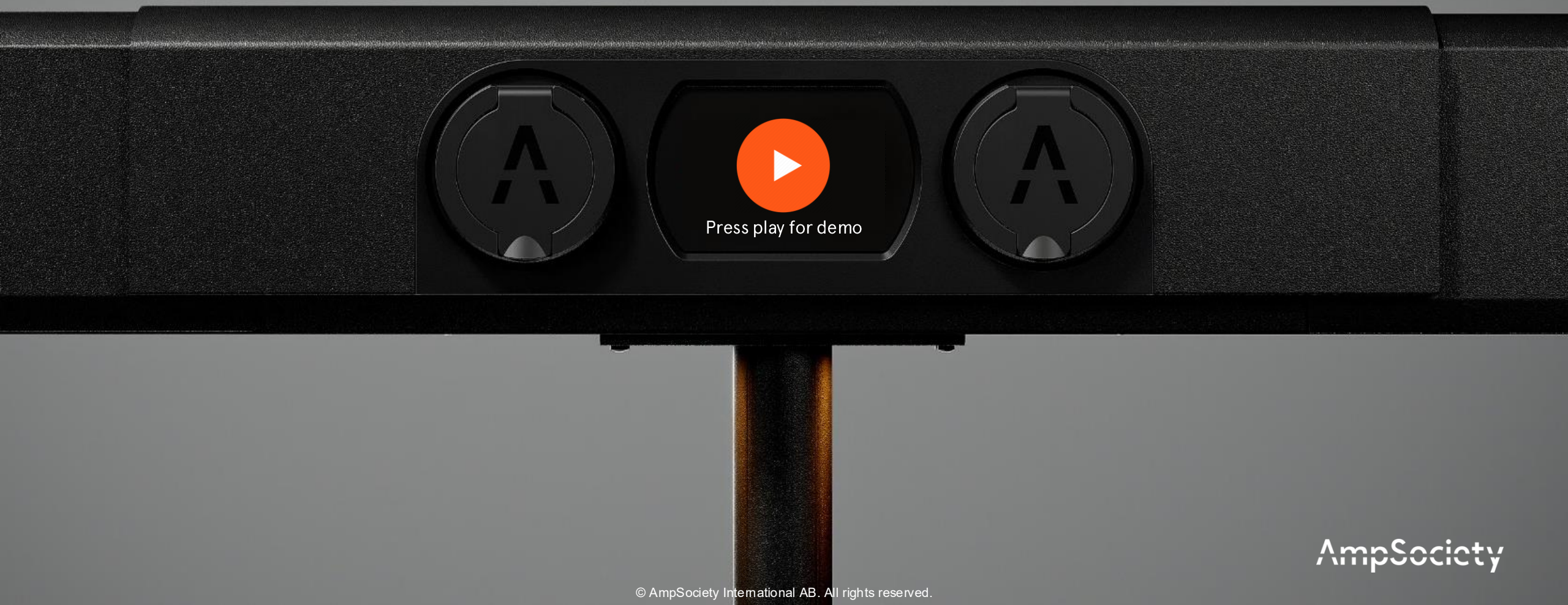
Show time

The Game Changer



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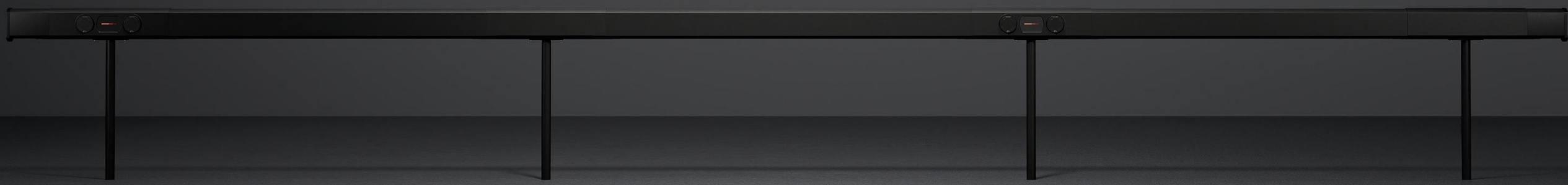
Robust. Sustainable. Environmentally Friendly.

Amp5 is manufactured using Hydro Circal®, high-quality recycled aluminum with a low carbon footprint.

With a 5-year product warranty and an estimated lifespan of 20 years, we guarantee sustainable economic benefits.



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System features

A worry-free charging experience

A self-healing system saving time & money

Amp5 features centralized control that continuously performs self-diagnostics on functionality and connectivity. When needed, the system can automatically reboot at the processor level. This self-healing capability eliminates the need for costly on-site service technician visits.

Always connected

Amp5 features redundant internet connectivity via LAN and 4G.

A wired (2xLAN) connection between all charging points ensures maximum reliability.

With Amp5, you are guaranteed a stable connection and a worry-free user experience.

Automatic software updates in 2 seconds

No need to worry about system updates. Amp5 can automatically perform all updates (FOTA) in less than 2 seconds and without interfering ongoing charging sessions.

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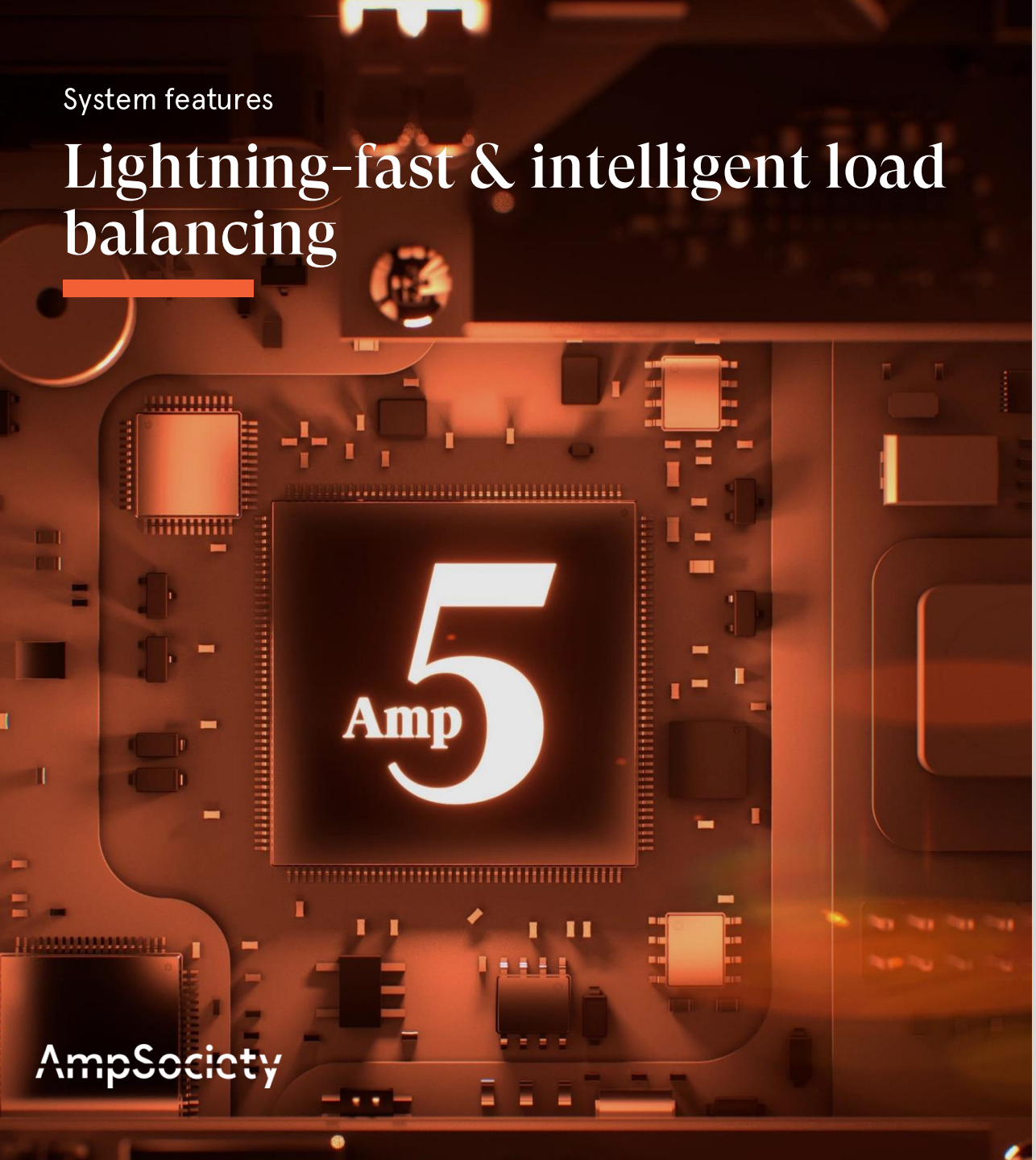

System features

Lightning-fast & intelligent load balancing

Amp5 supports dynamic load balancing (DLM) over the internet as well as local DLM using Modbus TCP/RS-485 for lightning-fast response.

Regardless of your choice, you always get a wired (2xLAN) connection between all charging points for maximum reliability.

Protect the main fuse

Rapid DLM based on your property's overall power consumption.

Charge more EVs

Amp5 supports 1/3-phase switching to optimize charging based on the type of electric vehicle.

Example for 63A: 2x11kW and 9x3.7kW (Hybrid)

Engine preheaters

Phase switching enables charging outlets to also be used for engine preheaters

Smart charging

Charging optimization can be managed by an external charging service, such as based on departure time, or through local configuration using the desired method, such as first come, first served, round robin, or equal distribution.

Reduce power losses

With smart charging, charging sessions occur sequentially, allowing for higher charging power per session and thereby reducing energy losses.

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System features

Complete freedom with native OCPP

OCPP is a communication standard between charge points and central charging services.

Unlike many chargers locked to proxy or cloud services, Amp5 is a native OCPP solution supporting both OCPP 1.6J and the latest OCPP 2.0.1.

Native OCPP means Amp5 communicates directly with central charging services, allowing you to easily switch providers in the future.

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System features

Future-ready

OCPP 2.0.1 prepares you to embrace the new smart services of the future:

- Vehicle-to-Grid (V2G)
- Integration of Plug & Charge (ISO15118-20)
- Enhanced support for smart charging
  - Advanced load management
- Improved hardware control
  - Software updates, diagnostics, and monitoring
- Enhanced data security with encryption and certificates

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System features

Fraud protection & tailored messaging

Amp5 features a 4.3” color screen that helps prevent fraud with dynamic QR codes and encrypted RFID or phone tags.

Welcome your guests with a personalized message and display real-time data on the charging session.

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Illuminate your parking experience

Did you know that parking areas are often where people feel the most unsafe?
That's why Amp5 features optional LED.

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System features

Safety

Strict safety standards

Amp5 adheres to rigorous safety standards, including EN 61851-1 and EN-IEC 60947-2 Annex B, ensuring safe operation and protection against electrical faults. The system includes built-in Type B RCDs that automatically cut power in case of hazardous fault currents exceeding 30/6 mA (AC/DC).

Emergency stop

Amp5 features a centralized emergency stop that can integrate with the property's existing systems. In case of a fire alarm, all charging sessions are halted.

Centralized surge protection

Amp5 protects both the charging system and connected EVs against lightning and power surges, which is also a legal requirement for public charging stations.

Battery backup in case of power outage

With an integrated battery backup, system owners are notified of power outages, and users can safely end ongoing charging sessions to unlock the charging port.

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Installation

Simple installation. Maximum Reliability.

Complete turnkey delivery

Amp5 is delivered fully equipped with all components pre-tested and designed to work seamlessly together for maximum reliability.

No groundworks. No cabling

In Amp5, all wiring is integrated, eliminating the need for expensive groundwork or time-consuming cabling.

Simple & quality-assured assembly

Amp5 consists of modules that easily are assembled together. The simple and quality-assured assembly ensures a reliable and correctly executed installation every time.

Quick configuration

Unlike traditional charging stations, Amp5 is configured centrally at the system level using a comissioning.

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Amp5 - Data sheet

Max number of charging outlets	54 per Smart Hub[1]
Max number of simultaneous charging sessions	30 per SmartHub[1]
Maxincomming charging power	63A per SmartHub[1]
Max simultaneous charging power	44kW
Max charging power per outlet	22kW (3-phase), 7.4kW (1-phase)
Main fuse	63A, B-characteristics
Communication protocols	OCPP 1.6J / OCPP 2.0.1 / ISO15118-20 ready
Network connection	Teltonika RUT 901 with 4G SIM card
	LAN
	Wifi (only for system configuration)
RF technology	GSM, GPRS, EDGE, UMTS/HSPA+, LTE
RFID type	ISO/IEC 14443 Type A, 13.56 MHz Mifare
Current measurement	MID certification expected in Q2 2026
24V input for external breaker	Yes
Static load balancing (fixed value)	Yes
Dynamisk load balancing	Yes, Internet or locally (Modbus TCP/RS-485)
Residual current device	Type B per outlet (IEC 60947-2)
Fuse	32A per ChargePod (IEC 60947-2)
Battery backup (UPS)	Capacitor
Charging outlet type	Type 2, (IEC 62196-2)

Display	TFT 480x272px, (HxW): 55 x 96 mm
Temperature range – operation	-30°C to +45°C air temperature
Temperature range – non-operation	-30°C to +65°C non-condensing
Material	Aluminium, at least 75% recycled (post-consumer scrap)
Color	Graphite black (RAL 9011), powder-coated
Lock	EBR-lock "Stockholm"
IP rating	IP54
IK rating	IK10
Autocharge	ISO15118-2:MAC
Other	Customizable display content (logo, QR code, price per kWh, etc.)
	RCD test with magnetic sensor User interaction via QR code, RFID
	Lockable charging outlets

[1] For more than 54 charging outlets, an additional SmartHub is added to Amp5.

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Appendices

Scalability

Easy to expand as charging needs increases

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LED

Color temperature: 4000K, Power: 8 W per meter, Luminous flux: 1050 lm per meter.

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