

# Amp5



**AmpSociety**  
Charging without compromise

# Amp5



Amp5 är en professionell standard för  
pålitliga, skalbara & nyckelfärdiga laddsystem.

# A worry-free charging experience

Amp5 is a modular, scalable, and future-proof charging system with support for native OCPP. With holistic system architecture, Amp5 delivers the most reliable charging experience on the market.



Centralized system architecture for operational reliability.



Modular design for easy & reliable installation.

- **Reliable operation** with redundant internet connection (LAN & 4G).
- **Self-healing system** with automatic recovery.
- **Charges more vehicles** or powers engine heaters with 1/3 phase switching.
- **Prepared for Plug & Charge** (ISO 15118-20).
- **Future V2G functionality** with support for OCPP 2.0.1.
- **Lightning-fast load balancing** wired locally or via cloud service.
- **Integrated surge protection** and emergency stop.
- **Fraud protection** with display & digital QR codes.
- **Battery backup** for alarm activation and cable unlocking during power outages.
- **Firmware updates** (FOTA) without interrupting charging sessions.
- **Integrated LED light option** for a safer and more pleasant parking environment.
- **Flexible installation** on walls or ground-mounted with ground screws/spikes.
- **Sustainable & eco-friendly**, made from at least 75% recycled aluminium.
- **5-year warranty** and an expected lifespan of 20 years.

# Data sheet

<b>Max number of charging outlets</b>	54 per Smart Hub <sup>1</sup>	<b>Display</b>	TFT 480x272px, (HxW): 55 x 96 mm
<b>Max number of simultaneous charging sessions</b>	30 per SmartHub <sup>1</sup>	<b>Temperature range – operation</b>	-30°C to +45°C air temperature
<b>Max incoming current</b>	63A per SmartHub <sup>1</sup>	<b>Temperature range – non-operation</b>	-30°C to +65°C non-condensing
<b>Max simultaneous charging power</b>	44kW per SmartHub <sup>1</sup>	<b>Material</b>	Aluminium, at least 75% recycled (post-consumer scrap)
<b>Max charging power per outlet</b>	22kW (3-phase), 7.4kW (1-phase)	<b>Color</b>	Graphite black (RAL 9011), powder-coated
<b>Main fuse</b>	63A, B-characteristic	<b>Lock</b>	EBR-lock "Stockholm"
<b>Communication protocols</b>	OCPP 1.6J / OCPP 2.0.1 / ISO15118-20 <sup>2</sup>	<b>IP rating</b>	IP54
<b>Network connection</b>	Teltonika RUT 901 with 4G SIM card LAN Wifi (only for system configuration)	<b>IK rating</b>	IK10
<b>RF technology</b>	GSM, GPRS, EDGE, UMTS/HSPA+, LTE	<b>Autocharge</b>	ISO15118-2:MAC
<b>RFID type</b>	ISO/IEC 14443 Type A, 13.56 MHz Mifare	<b>Other</b>	Customizable display content (logo, QR code, price per kWh, etc.)
<b>Current measurement</b>	MID certification expected in Q2 2026		RCD test with magnetic sensor
<b>24V input for external breaker</b>	Yes		User interaction via QR code, RFID
<b>Static load balancing (fixed value)</b>	Yes		Lockable charging outlets
<b>Dynamisk load balancing</b>	Yes, Internet or locally (Modbus TCP/RS-485)		
<b>Residual current device</b>	Typ B per outlet (IEC60947-2)		
<b>Fuse</b>	32A per laddmodul (IEC 60947-2)		
<b>Battery backup (UPS)</b>	Capacitor		
<b>Charging outlet type</b>	Typ 2 (IEC 62196-2)		

<sup>1</sup>If more than 54 charging outlets or 30 simultaneous charge sessions is required, additional SmartHubs can be added.

<sup>2</sup>Prepared for ISO15118-20

