Amp5 is a professional standard for reliable, scalable and turnkey **destination** charging systems.
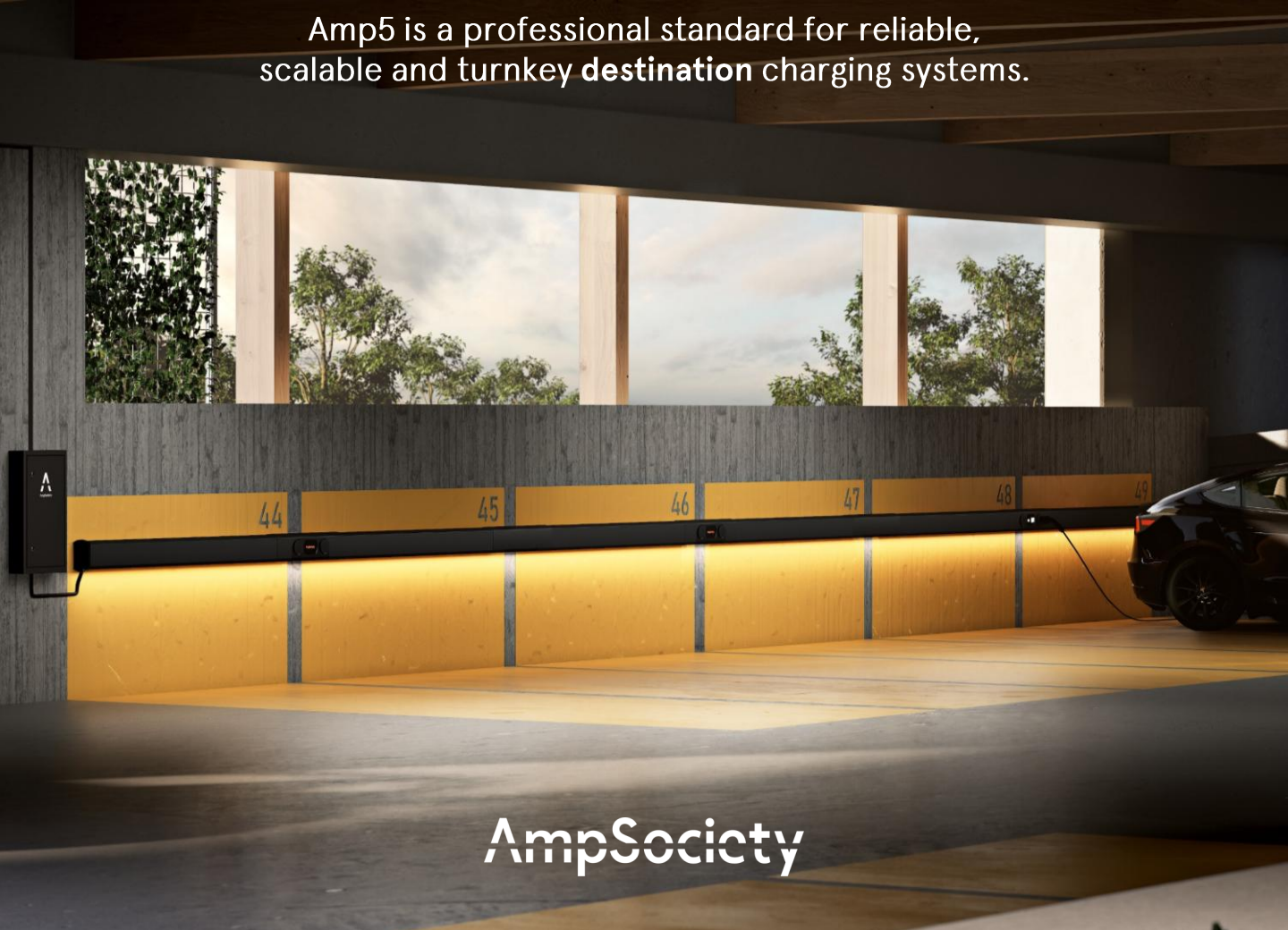
AmpSociety

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.
- **Supports plug & charge** (ISO 15118-20) and V2G with 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 lighting 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 aluminum.
- **5-year warranty** and a minimum expected lifespan of 20 years.

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Data sheet

Max number of charging outlets	54 per Smart Hub[1]	Display	TFT 480x272px, (HxDxW): 160 x 131 x 71 mm
Max number of simultaneous charging sessions	30 per SmartHub	Temperature range – operation	–30°C to +45°C air temperature
Max incoming current	63A		
Max simultaneous charging power	44kW	Temperature range – non-operation	–30°C to +65°C non-condensing
Max charging power per outlet	22kW (3-phase), 7.4kW (1-phase)	Material	Aluminium, at least 75% recycled (post-consumer scrap)
Main fuse	63A		
Communication protocols	OCPP 1.6J/2.0.1, ISO15118-20 ready	Color	Svart (RAL 9011), powder-coated
Network connection	Teltonika RUT 901 with 4G SIM card		
	LAN	Lock	EBR-lock "Stockholm"
	Wifi (only for system configuration)	IP rating	IP54
RF technology	GSM, GPRS, EDGE, UMTS/HSPA+, LTE		
RFID type	ISO/IEC 14443 Type A, 13.56 MHz Mifare	IK rating	IK10
Current measurement	MID certification expected in H2 2025	LED	Color temperature 4000K, Power 8 W/m, Luminous flux 1050 lm/m
24V input for external breaker	Yes		
Static load balancing (fixed value)	Yes	Other	Customizable display content (logo, QR code, price per kWh, etc.)
Dynamisk load balancing	Yes, Internet or locally (Modbus TCP/RS-485)		
Residual current device	Typ B per outlet (IEC60947-2)		RCD test with magnetic sensor
Fuse	32A per ChargePod (IEC60947-2)		User interaction via QR code, RFID, NFC
Automatic circuit breaker	63A, 32A B-characteristics		
Battery backup (UPS)	Capacitor		Lockable charging outlets
Charging outlet type	Type 2, IEC 61851		

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