

C2



Now flows both ways

amina C2

amina C2 keeps everything that made amina C the integrator's charger, designed from ground up to simplify operations and deliver best-in-class reliability.

Now the charger is ready with ISO 15118-20, bringing bidirectional charging and Plug & Charge. The new clip-in cable connector makes replacement a job you can finish without opening a toolbox.

Bidirectional charging new

Compliance to the ISO 15118-20 standard. V2G out of the box: the car can power your home, balance the grid, or hold its charge for when it's worth more.

Plug & Charge new

ISO 15118-20 authentication. The charger identifies the vehicle and starts the session. No app, no RFID.

Clip-in cable new

The new connector clips into place by hand: same approach as amina M. Easy installation on site, in seconds.

Always connected, always reliable

With a premium LTE Cat 1 Bis modem and dual-band WiFi, amina C2 keeps your chargers online at all times. Real-time monitoring and remote diagnostics will limit the need for troubleshooting, keeping your charge points running smoothly.

Pre-configured for instant operation

Custom, provisioned chargers ensure quick installation and automated setup meaning minimal downtime, cutting installation costs and speeding up deployment.

Built to scale with your business

amina C2 is engineered with precision, ready to meet evolving market demands. It's fully compatible with OCPP 2.1, ready for the latest encryption standards, and supports over-the-air updates for long-term performance.

Make amina C2 truly yours

Customise every detail of amina C2, from the front cover to packaging. Strengthen your brand's presence with chargers that reflect your business identity, creating a seamless customer experience.

Technical specifications



General	Dimensions: 264mm x 112mm x 89mm Operating temperature: -30°C to +40°C
Weight	1,0 kg w/o cable 2,5 kg w/ 6m 3-phase 20A cable 3,5 kg w/ 6m 3-phase 32A cable
Power grid and voltages	TN, IT and TT 230V/400V AC 3-phase w/ Neutral 230V AC 1-phase
Charging Cable new	Fixed cable included (clip-in connector) Type 2 plug (EN 62196) 6m 3-phase 20A/32A
Charging power 20A variant	3-phase output: 3,7 – 13,8 kW 1-phase output: 1,4 – 4,6 kW
Charging power 32A variant	3-phase output: 3,7 – 22,0 kW 1-phase output: 1,4 – 7,4 kW
Energy-meter	1 or 3-phase ±2 % accuracy
Communications interface	Bluetooth LE, and Zigbee 4G - LTE Cat 1 bis WiFi - 2.4 GHz & 5 GHz - IEEE 802.11a/b/g/n/ac/ax RFID / NFC – ISO/IEC 14443 A/B
Frequency utilization	13.56 MHz: < 42dBuA/m 2400 - 2483,5 MHz: <20dBm 5150 - 5350 MHz: <18dBm 5470 - 5725 MHz: <18dBm LTE bands B1/3/7/8/20/28: Class 3
OCPP	Local OCPP 1.6j with enhanced security Ready for OCPP 2.1
Security features	Hardware Security and cryptography module TLS 1.3
Degree of protection	Resistant to impact, dust, water IP54: indoor and outdoor use IK08: impact protection UV-resistant
Electrical protection	Protection class I Overvoltage category III (4 kV)
Integrated RCD	RDC-DD (6mA DC)
Installation	Circuit breaker (max 40A) RCD (max 30mA AC) 4 – 16mm cable diameter Single core or stranded wires 1,5 – 6mm² w/ ferrules 1,5 – 10mm² w/o ferrules
Regulations and standards ①	RED 2014/53/EU RoHS 2011/65/EU
ISO 15118-20 ready new	According to AFIR Bidirectional charging (V2G) Plug & Charge

① The full text of the EU Declaration of Conformity (DoC) is available at download.aminacharging.com



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