

# S



# Charge smarter, live easier.

**amina S** is the small, fast, and smart charger that gives you complete control over charging speed and energy consumption.

With its lightweight and flexible fixed cable, you can charge up to 22kW.

## amina S

### Simply smart

Charge smart just the way you want with amina S:

- Smart charging apps – Control charging through an app that also gives you the benefit of dynamic load balancing or charging when prices are lower.
- Smart homes – Connect the charger to a smart home for full smart charging functionality.
- Smart electricity providers – Charge smart and save money by connecting your car to an electricity provider.

### Maximum power

amina S is made to give your car maximum power when you need it. With a charging speed of up to 22kW, amina S can add up to 100 kilometers of range in just one hour.

### Future-proof

Control and monitor your charging sessions, energy consumption, and cost through your smartphone. amina S is engineered to seamlessly integrate with smart homes via ZigBee and Bluetooth.

# Technical specifications



General	Dimensions: 264mm x 112mm x 89mm Operating temperature: -30°C to +40°C
Weight	1,0 kg w/o cable 2,4 kg w/ 6m 3-phase 20A cable 3,4 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	Fixed cable included (replaceable) Type 2 plug (EN 62196) AST 100/20: 6m 3-phase 20A AST 100/32: 6m 3-phase 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 ±3 % accuracy
Communications interface	Bluetooth LE and Zigbee Frequency band: 2400 – 2483,5 MHz Maximum output power: 10mW Local OCPP 1.6j (coming 2024)
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 EN IEC 62311:2020 EN IEC 61851-1:2019 EN 62196-1:2014 EN 62196-2:2012+A11:2013+A12:2014 IEC 62955:2018 ② EN IEC 61851-21-2:2021 EN 301 489-1 v2.2.3 EN 301 489-17 v3.2.4 EN 300 328 v2.2.2 RoHS 2011/65/EU EN IEC 63000:2018

① See [aminacharging.com/compliance](https://aminacharging.com/compliance) for more information  
② Clause 8.1.2: mechanically coupled switches in single phase installations, electronically coupled in three phase installations



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