



**Next Generation  
Architecture**



**Scalability**

from 320 to 400 kW



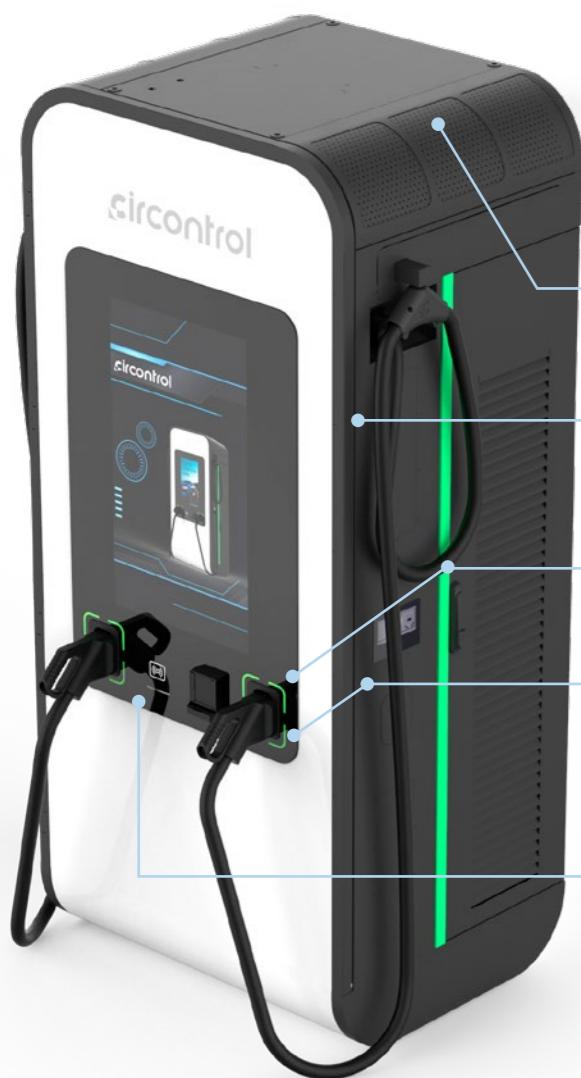
**Reliability**



**Granularity**

# Sonic One

Power Up the Road!



## Power Supply & Electrical Characteristics

## Environmental Conditions

## General specifications

## Connectivity & Communication

## Compliance & Standards

## Optional features

## SONIC ONE 320

## SONIC ONE 400

Power Supply	3-phase + PE (no neutral)
Control Supply	Single-phase + N + PE
AC Input voltage	400 V AC ±10% 480 V AC ±10%
Frequency	50 Hz 60 Hz
Maximum AC Input current	545 A
Required power supply capacity	340 kVA
Power Factor	≥ 0.99 at rated load
Total Harmonic Distortion (THD)	≤ 5%
Grid Isolator	Switch disconnector
Electrical Protection	MCB curve C Isolation monitoring device
Maximum DC output power	CCS: 320 kW CCS: 320 kW
Output voltage	CCS: 150-920 V CCS: 150-920 V
Maximum output current	CCS: 500 A CCS: 500 A
Efficiency	>96% at maximum output power
Connection	Plug A: CCS Plug B: CCS
Operating Temperature	-30 °C to +55 °C
Storage Temperature	-40 °C to +70 °C
Operating Humidity	5% to 95% (non-condensing)
Enclosure Rating	IP55 / IK10
Structure Material	Stainless steel
Dimensions (W x D x H)	1000 x 800 x 2200 mm (without cable)
HMI Screen	32" FHD anti-vandal colour touchscreen
Light Beacon	LED colour indicator
Cable Length	4 metres
Cooling System	Air cooling fans
Noise Level	<65 dB
Operating Height	≤ 2000 metres
Power Limit Control	Software-controlled
Languages available	34
Dynamic Load Management compatibility	✓
Authentication methods	Autocharge, contactless card reader, RFID, mobile app, QR code, keyboard
Weight	≈ 660 kg
Scalability	✓ X
Connections	Ethernet 10/100 BaseTX
Interface Protocol	OCPP 1.6J / 2.0.1
Wireless Communication (EMEA)	Dual 4G LTE / WiFi Hotspot / GPRS / GSM
Certifications	CE
Applicable Standards	DIN 70121 / ISO 15118 / IEC 61851-1 / IEC 61851-23 / IEC 61851-21-2 / IEC 61851-24
RFID Reader	ISO/IEC 14443A/B / ISO 15693 / ISO 18092
Energy metering	DC MID meter (Measuring Instruments Directive 2014/32/EU)
Cable Length	5.5 metres
Surge Protection	Protection against transient overvoltages (IEC 61643-1, Class II)
RFID Extension	Legic Advant / Legic Prime / ISO/IEC 14443A/B / ISO 15693 / ISO 18092
Contactless Payment	Integration with various payment providers
Cable Management	Integrated self-retracting swing arm (only for 5.5 metres length)
Wireless Communication (LATAM/APAC)	4G LTE / GPRS / GSM