



Simon|Neon

STREET



simon



Simon|Neon

Simon Neon Street is the ideal solution for charging electric vehicles in urban environments. The Simon Neon's ease of installation and its balance between functionality, price, aesthetics and long durability, make it the ideal electric vehicle charger for different environments, such as public or private car parks.



Simon Neon has been conceived as street furniture, offering a degree of protection against vandalism and weathering to increase its durability. Thanks to its adjustable power load and the versatility of each of the configurations, the Simon Neon is suitable for a wide range of environments and business models.

DESIGN AND FUNCTIONALITY:



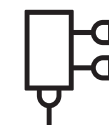
Durability

The IP54 and IK10 enclosures, made from AISI 304 stainless steel, are perfect for outdoor use, thanks to their resistance to corrosion, heat and low temperatures, as well as the improved mechanical properties from the chrome passivation film on its surface.



360° LED indicator

The only solution available that, depending on the status, allows you to quickly and remotely identify from any location in the car park whether the equipment is available, currently being used.

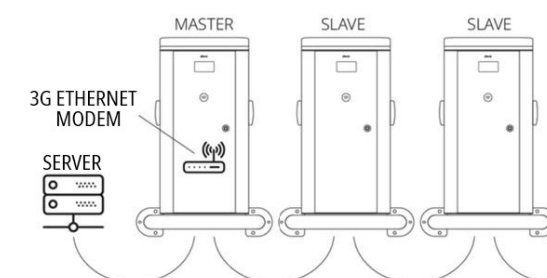


Connection between power units

Simon Neon offers a master-slave connection system for simpler installation and management of charging points. With this system we can connect up to 12 recharging points without the need for other external elements, allowing us to manage power and users intelligently and efficiently.



Load balancing is managed by the "1 Master Device /11 Slave Devices" method. From now on, our load balancing system SIMON ELECTRON MANAGER efficiently manages loads up to 64 points, without the need for a cloud connection and with minimal instances of network failures or lack of coverage.





Workplace solutions

Simon Neon can be integrated into different platforms and management applications, allowing interoperability with other systems thanks to its standard OCPP protocol. Ethernet communications or optionally via 4G modem.



Safety

The Simon Neon has an automatic disconnection system in case the door is opened, for the safety of the user or the maintenance technician. The doors are only accessible via a special bumping key, to prevent access by unauthorised personnel.



IK10

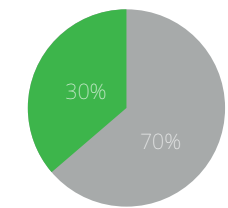
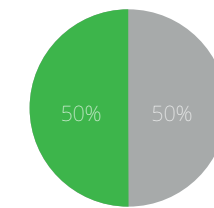
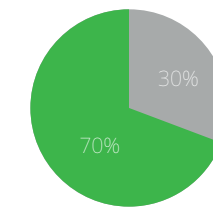


IP54



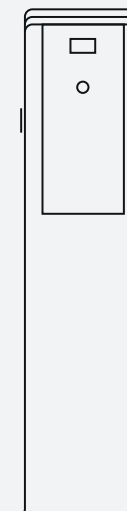
Power management

The Simon Neon makes setting up large installations easy. The power load can be adapted to the specifics of a given environment, not only between charging points, but also between sockets at the same point.



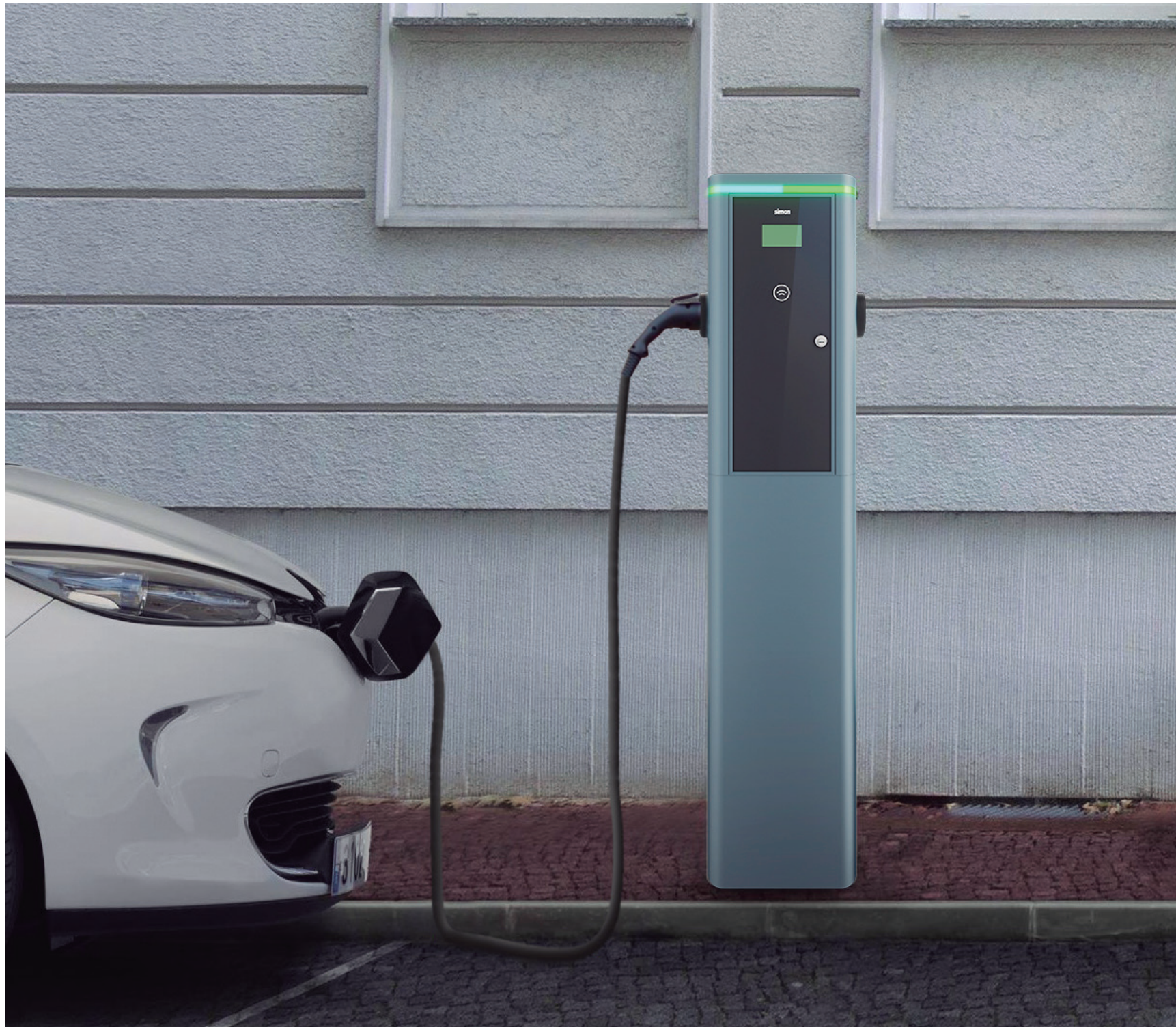
● Charging point Simon Neon

● Other consumption



Design

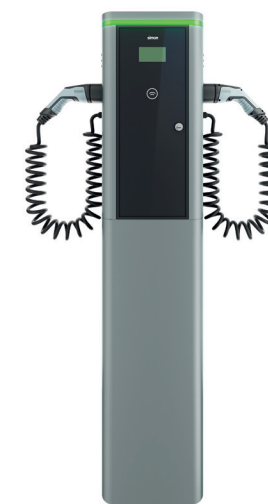
A slim design with clean, functional lines that is not only attractive to users, but also takes up little space in public spaces.



POLE-MOUNTED



With 5 metre smooth cable



With 4 metre spiral cable



With wireless



WALL-MOUNTED



With 5 metre smooth cable

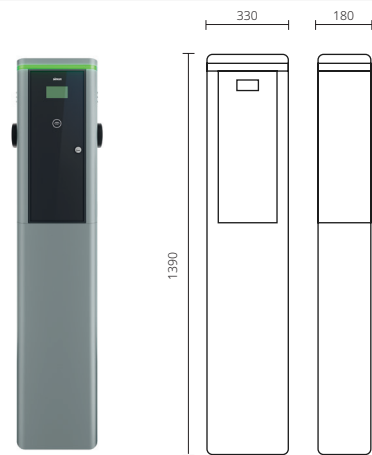


With 4 metre spiral cable



With wireless

DIMENSIONS



COMMON CHARACTERISTICS

Power measurement	MID counter per connector
Screen	LCD Display
RFID reader	ISO 14443A - MI fare - 13.56 MHz
Status indicator	LEDS 360°
Communications	RS-485, Ethernet, Modem (optional), OCPP 1.5 / 1.6 JSON / Modbus TCP/IP (optional).
Multipoint	A group of devices can be connected to each other (up to 12 devices) and power can be balanced between them.

PHYSICAL FEATURES AND MATERIALS

IP	IP54
IK	IK10
Environmental conditions	-30 °C / +50 °C
Body	AISI 304 Stainless Steel
Front	Polycarbonate

ELECTRICAL PARAMETERS

Supply voltage	230 - 400 VAC
Frequency	50 Hz
Maximum Intensity/outlet	32 A
Max power/input	14.8 kW / 44 kW -64 A (lower values configurable).
Differential protection	Class A differential 30 mA per optional resettable connector.
Magneto-thermal protection	Curve C Magneto-thermal circuit breaker per connector.

CONFIGURE YOUR SIMON NEON

0	6	Assembly	Workplace solutions	Number of outlets	Total power	Connector	Protections	Special cases	Description
		2							Post recharging point
		3							Wall recharging point
		0							Basic
		1							Modem
				2					2 outlets
					1				44 kW
					3				14.8 kW
						1			T2 outlet
						2			5 m T2 straight cable
						3			4 m spiral cable
							-1		Basic protections
							-3		Resettable Protec. + Diff.
								00	Standard finish

STANDARD REFERENCES

Art. No.	Assembly	Workplace solutions	Power	Connector	Protections
0620231-100	Neon Pole	Basic	14.8 kW	T2 outlet	Basic protections
0620232-100	Neon Pole	Basic	14.8 kW	5 m T2 straight cable	Basic protections
0620211-100	Neon Pole	Basic	44 kW	T2 outlet	Basic protections
0620212-100	Neon Pole	Basic	44 kW	5 m T2 straight cable	Basic protections
0621231-100	Neon Pole	Modem	14.8 kW	T2 outlet	Basic protections
0621232-100	Neon Pole	Modem	14.8 kW	5 m T2 straight cable	Basic protections
0621233-100	Neon Pole	Modem	14.8 kW	4 m spiral cable	Basic protections
0621211-100	Neon Pole	Modem	44 kW	T2 outlet	Basic protections
0621212-100	Neon Pole	Modem	44 kW	5 m T2 straight cable	Basic protections
0621213-100	Neon Pole	Modem	44 kW	4 m spiral cable	Basic protections
0621211-300	Neon Pole	Modem	44 kW	T2 outlet	Resettable Protec. + Diff.
0621231-300	Neon Pole	Modem	14.8 kW	T2 outlet	Resettable Protec. + Diff.
0630231-100	Neon Wall	Basic	14.8 kW	T2 outlet	Basic protections
0630232-100	Neon Wall	Basic	14.8 kW	5 m T2 straight cable	Basic protections
0630211-100	Neon Wall	Basic	44 kW	T2 outlet	Basic protections
0630212-100	Neon Wall	Basic	44 kW	5 m T2 straight cable	Basic protections
0631231-100	Neon Wall	Modem	14.8 kW	T2 outlet	Basic protections
0631232-100	Neon Wall	Modem	14.8 kW	5 m T2 straight cable	Basic protections
0631233-100	Neon Wall	Modem	14.8 kW	4 m spiral cable	Basic protections
0631211-100	Neon Wall	Modem	44 kW	T2 outlet	Basic protections
0631212-100	Neon Wall	Modem	44 kW	5 m T2 straight cable	Basic protections
0631213-100	Neon Wall	Modem	44 kW	4 m spiral cable	Basic protections
0631211-300	Neon Wall	Modem	44 kW	T2 outlet	Resettable Protec. + Diff.
0631231-300	Neon Wall	Modem	14.8 kW	T2 outlet	Resettable Protec. + Diff.



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