

Kempower AC Satellite

Version 2

The Kempower AC Satellite is the user-friendly AC charging solution for hybrid and fully electric vehicles.

The AC Satellite extends Kempower's wide EV charging offering. The AC Satellite has either two Type 2 AC charging sockets or two charging cables with Type 2 AC vehicle connectors, and it includes an integrated, MID-approved Class B energy meter.

The AC Satellite with integrated charging cables features Kempower's user-friendly cable support system.



Maximum charging power per output

Up to **22 kW**

Number of charging outputs

2



1 Charging cable support system
 2 7" touch screen display
 3 RFID reader
 4 Vehicle connectors
 5 Payment terminal (option)
 6 Aluminium frame
 7 Mounting flange



1 7" touch screen display
 2 RFID reader
 3 Charging sockets
 4 Payment terminal (option)
 5 Aluminium frame
 6 Mounting flange



Advanced cable support system for premium user experience



Easy-to-use, intuitive user menu on a 7" touch screen display



On-screen QR code for following the charging status on your mobile phone



Optimal for charging plug-in hybrid vehicles



Suitable for overnight charging



Advanced charging control and customization with KEMPOWER ChargeEye

Product code interpretation

ST•AA•7A•P•C0 Kempower AC Satellite Version 2 • 2 x Type 2 AC vehicle connector • 7 m charging cable and vehicle connector • Payter P66 payment terminal • unbranded

Item	Code	Description
Product type	ST	Kempower AC Satellite Version 2
Vehicle connector type	AA	2 x Type 2 AC
Charging cable length (SAA7AS/P)	7A	7 m with charging cables and vehicle connectors
User interface and payment	S	Standard user interface
	O	Payter Apollo: Contactless payment with online PIN entry and verification
	P	Payter P66: Only contactless payments, no strong customer authentication (SCA) possibility
	W	Worldline Valina: Contactless payment with online PIN entry and verification, chip and magnetic stripe reader
Equipment stop	E	Equipment stop button
Branding options	C0	Unbranded: roof and base in black color, no stickers
	Cn	Branded: number (n) indicates branding, e.g. C8

General electrical specifications

Network type	TN-C-S
Overshoot category	III
Maximum current	2 x 3 phases 32 A
Charging power at 400 VAC	2 x 22 kW
Standby power	25 W

Environmental specifications

Operating temperature	-30...+50 °C
Storage temperature	-40...+60 °C
Ambient air humidity	< 95% relative humidity
Enclosure rating	IP54, IK10 (IK09 for the payment terminal)

Connections and protocols

WiFi	802.11 b/g/n (2.4/5 GHz)
Cellular/GPS ^[1]	LTE-FDD, LTE-TDD, WCDMA, GSM
Ethernet ^[2]	RJ45, IEEE 802.3/802.3u
OCPP	1.6j/2.0.1
Connectivity	Kempower ChargEye solution
Type 2 AC	IEC 61851-1
Authentication methods	RFID: ISO 14443A, ISO 15693, ISO 14443B (STM SRI512) Customer backend via OCPP Payment terminal

[1] The single SIM card slot is reserved for Kempower ChargEye connectivity. The AC Satellite does not have a card slot for the customer's SIM card.

[2] If the AC Satellite has a payment terminal, Ethernet is not available for an external LAN connection.

Electrical protections

A + B type RCD functionality

Note: Installation according to IEC 62955: Type A RCD to be installed in grid side supply point

Compliance to standards

IEC 61851-1

IEC 61851-21-2

Energy metering: MID class B

Options

Payment terminal	Payter Apollo: Contactless payment with online PIN entry and verification Payter P66: Only contactless payments, no strong customer authentication (SCA) possibility Worldline Valina: Contactless payment with online PIN entry and verification, chip and magnetic stripe reader
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Equipment stop button

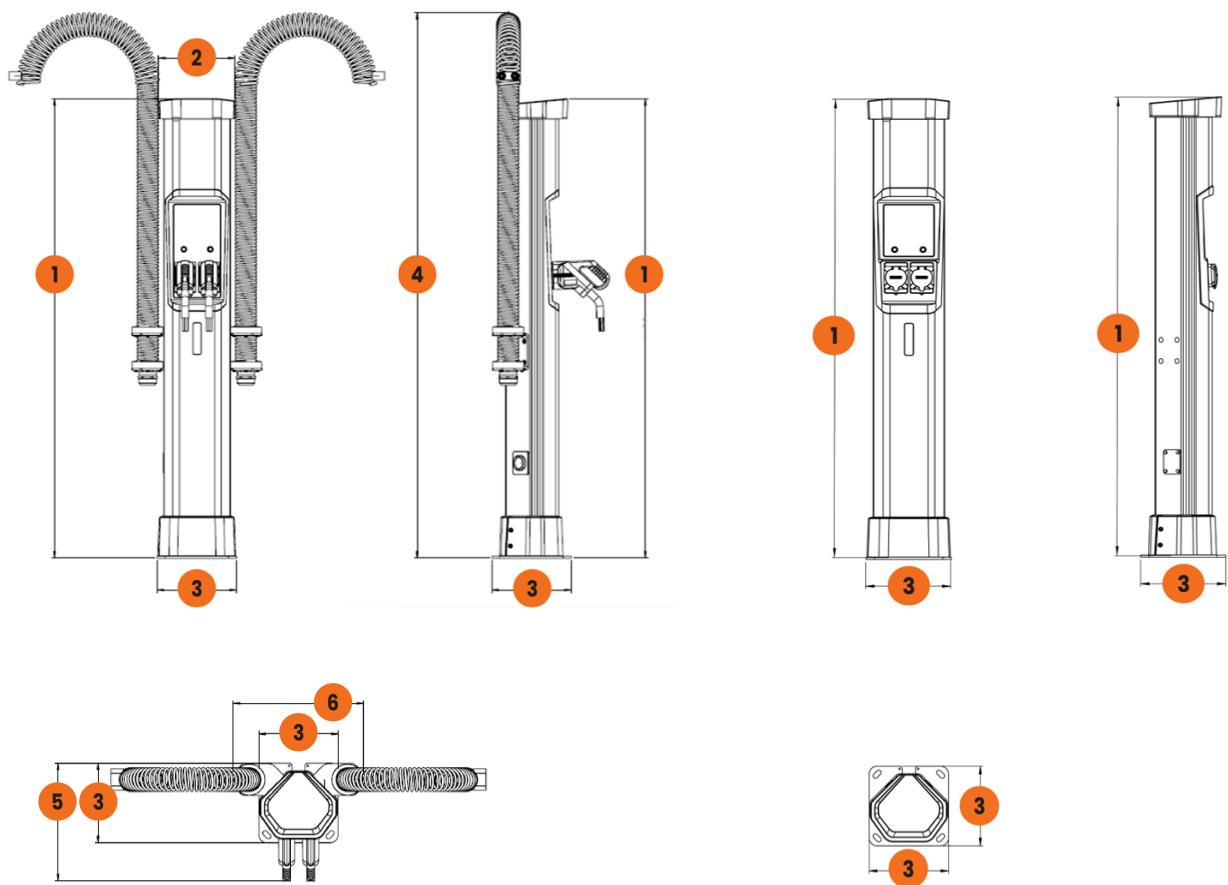
Customized branding

Branding options, such as custom colors and stickers
Contact Kempower for availability, pricing, and minimum order quantity

Mechanical dimensions

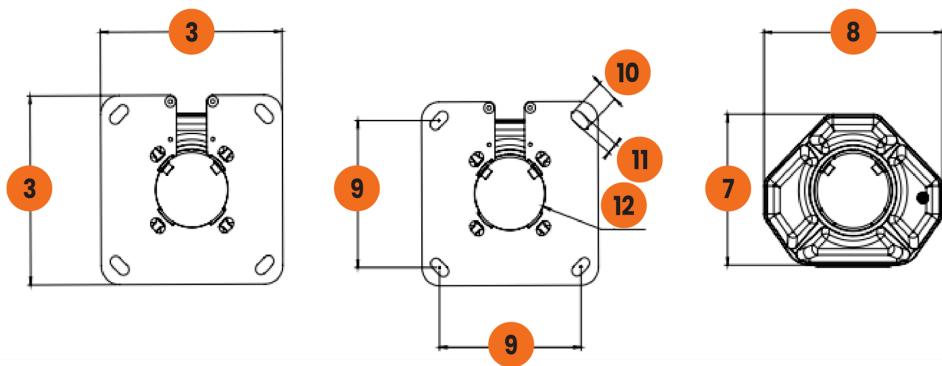
Size (W x H x D)

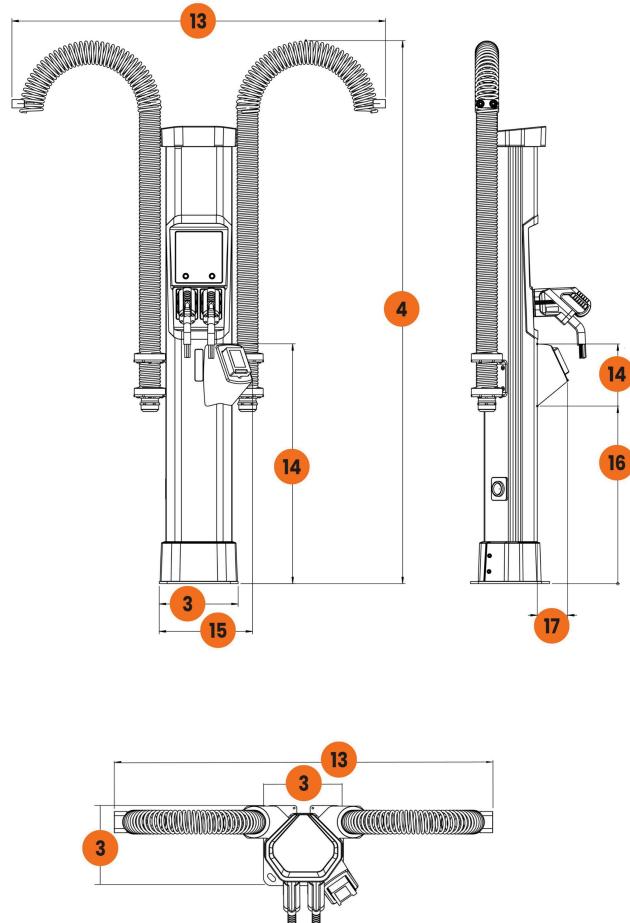
300 x 1718 x 300 mm

Satellite with two charging outputs


Footprint of standard installation flange

Footprint with mounting tube



Satellite with two charging outputs and payment terminal


1	1738 mm	6	493 mm	11	18 mm	16	675 mm
2	289 mm	7	239 mm	12	120 mm	17	115 mm
3	300 mm	8	294 mm	13	1420 mm		
4	2100...2400 mm	9	240 mm	14	911 mm		
5	444 mm	10	36 mm	15	354 mm		