

CHARGING SYSTEMS FOR ELECTRIC VEHICLES



AC charging wallbox

The Prime Series wallbox is the entry-level product in the **Detas EVchargers** family of ev charging systems. It features a compact thermoplastic housing certified to IP65 IK09 and is available with 5m cable and Type 2 interlocked socket with shutter. The control system allows remote control, charging power modulation, photovoltaic charging management and much other. It's available in the single-phase (max 7.4 kW) or three-phase (max 22kW) version also with the charging through photovoltaic surplus.

Technical specifications

Mechanical resistance	IP65 / IK09
Housing material	PC
Operating temperature	From -25°C to +45°C
Storage temperature	From -40°C to +60°C
Operating humidity	5% to 95% non-condensing
Signalling	RGB colour indicator
Meters	MID certified
Enabling payments	On request
Network connection	IoT GSM / WiFi / Bluetooth
Weight	4 kg
Pedestal	On request



PRIME

Single-phase models (7,4kW)

Model	WB Prime Classic T2C	WB Prime Smart T2C
Code	40120	40134
Dimensions	205 x 255 x 112 mm	205 x 255 x 112 mm
Input Voltage	230 VAC 50/60Hz	230 VAC 50/60Hz
Max. current/power	32A / 7,4kw	32A / 7,4kw
Stand-by consumption	1,8 W	1,8 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Output	1 x Cable 5m Type 2	1 x Cable 5m Type 2
Leakage current circuit >6mA	Not available	On request
Electrical protections	Not included	Not included
Operation	Plug&Charge	Plug&Charge
Output power adjustment	Internal switch	Via app
Power modulation according to home consumption	Not available	Included
User profile management	Not available	On request
Payment management	Not available	On request
Charging with photovoltaic surplus	No	No
Model	WB Prime Smart PV T2C	WB Prime Smart T2S
Code	40174	40144
Dimensions	205 x 255 x 112 mm	205 x 255 x 112 mm
Input Voltage	230 VAC 50/60Hz	230 VAC 50/60Hz
Max. current/power	32A / 7,4kw	32A / 7,4kw
Stand-by consumption	1,8 W	1,8 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Output	1 x Cable 5m Type 2	1 x Type 2 interlocked socket with shutter
Leakage current circuit >6mA	On request	On request
Electrical protections	Not included	Not included
Operation	Plug&Charge	Plug&Charge
Output power adjustment	Via app	Via app
Power modulation according to home consumption	Included	Included
User profile management	Not available	On request
Payment management	Not available	On request
Charging with photovoltaic surplus	Yes	No

Three-phase models (22kW)

Model	WB Prime Smart T2TC	WP Prime Smart T2TS
Code	40154	40164
Dimensions	205 x 255 x 112 mm	225 x 295 x 122 mm
Input Voltage	Three-phase 400 VAC	Three-phase 400 VAC
Max. current/power	32A / 22kw	32A / 22kw
Stand-by consumption	2 W	2 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	400 VAC	400 VAC
Output	1 x Cable 5m Type 2	1 x Type 2 socket with shutter
Electrical protections	Not included	Not included
Operation	Plug&Charge	Plug&Charge
Output power adjustment	Via app	Via app
User profile management	On request	On request
Payment management	On request	On request
Charging with photovoltaic surplus	On request	No

AC charging wallbox

The Keres series wallbox is the new entry of the **Detas EVchargers** family of charging systems. It features a compact IP65 IK09 certified plastic case and is available with single phase or three phase input with 5m cable and Type 2 connector in single-phase or three-phase version. The control system allows remote control, charging power modulation, photovoltaic charging management. A 40A RCBO protection is embedded into the Wallbox and moreover the MID Certified meter is visible from outside. A LED bar inform the users about the wallbox status. **The Keres wallbox includes the 40A B Type RCBB with overcurrent protection.**

Technical specifications

Mechanical resistance	IP65 / IK09
Housing material	PC
Operating temperature	From -25°C to +45°C
Storage temperature	From -40°C to +60°C
Operating humidity	5% to 95% non-condensing
Signalling	RGB colour indicator
Meters	MID certified
Enabling payments	On request
Network connection	IoT GSM / WiFi / Bluetooth
Weight	4 kg
Pedestal for wallbox	On request



KERES

Single-phase models (7,4kW)

Model	WB Keres Classic T2C	WB Keres Smart T2C
Code	40520	40530
Dimensions	205 x 255 x 112 mm	205 x 255 x 112 mm
Input Voltage	230 VAC 50/60Hz	230 VAC 50/60Hz
Max. current/power	32A / 7,4kw	32A / 7,4kw
Stand-by consumption	1,8 W	1,8 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Output	1 x Cable 5m Type 2	1 x Cable 5m Type 2
Leakage current circuit >6mA	Not available	Not available
Electrical protections	RCBO 1P+N, 30mA , 40A , 6KA , Curve C (Circuit breaker) Type B (residual device)	RCBO 1P+N, 30mA , 40A , 6KA , Curve C (Circuit breaker) Type B (residual device)
Operation	Plug&Charge	Plug&Charge
Output power adjustment	Internal switch	Via app
Power modulation according to home consumption	Not available	Included
User profile management	Not available	On request
Payment management	Not available	On request
Charging with photovoltaic surplus	No	No
Model	WB Keres Smart PV T2C	
Code	40570	
Dimensions	205 x 255 x 112 mm	
Input Voltage	230 VAC 50/60Hz	
Max. current/power	32A / 7,4kw	
Stand-by consumption	1,8 W	
Recharge	Mode 3 acc. IEC 61851	
AC output voltage	230 VAC (1P + N + PE)	
Output	1 x Cable 5m Type 2	
Leakage current circuit >6mA	Not available	
Electrical protections	RCBO 1P+N, 30mA , 40A , 6KA , Curve C (Circuit breaker) , Type B (residual device)	
Operation	Plug&Charge	
Output power adjustment	Via app	
Power modulation according to home consumption	Included	
User profile management	Not available	
Payment management	Not available	
Charging with photovoltaic surplus	Yes	

Three-phase models (22kW)

Model	WB Prime Smart T2TC
Code	40550
Dimensions	205 x 255 x 112 mm
Input Voltage	400 VAC 50/60Hz
Max. current/power	32A /22kw
Stand-by consumption	2 W
Recharge	Mode 3 acc. IEC 61851
AC output voltage	400 VAC
Output	1 x Cable 5m Type 2
Electrical protections	RCBO 3P+N, 30mA , 40A , 6KA , Curve C (Circuit breaker) , Type B (residual device)
Operation	Plug&Charge
Output power adjustment	Via app
Power modulation according to home consumption	On request
User profile management	On request
Payment management	On request
Charging with photovoltaic surplus	On request

AC charging wallbox

The Wallbox VTEC is a high-profile product with a stainless steel body with openable door. The high quality materials ensure long life and resistance to the most aggressive environments. The control system allows remote control and charging power modulation. The standard version allows to modify the charging power through an internal switch while the other models connect to the app via bluetooth to allow remote control and power setting.

Technical specifications

Mechanical resistance	IP65 / IK09
Housing material	Painted stainless steel
Operating temperature	From -25°C to +45°C
Storage temperature	From -40°C to +60°C
Operating humidity	5% to 95% non-condensing
Signalling	RGB colour indicator
Meters	MID certified
Enabling payments	On request
Network connection	IoT GSM / WiFi / Bluetooth
Weight	4 kg
Pedestal for wallbox	On request



VTEC

Model	WB VTEC Classic T2C	WB VTEC Smart T2C
Code	40220	40230
Input Voltage	230 VAC 50/60Hz	230 VAC 50/60Hz
Max. current/power	32A / 7,4kw	32A / 7,4kw
Stand-by consumption	1,8 W	1,8 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Output	1 x Cable 5m Type 2	1 x Cable 5m Type 2
Leakage current circuit >6mA	Not available	On request
Electrical protections	Not included	Not included
Operation	Plug&Charge	Via app
Output power adjustment	Internal switch	Via app
Power modulation according to home consumption	Not available	Included (through delivered toroid)
User profile management	Not available	On request
Payment management	Not available	On request
Charging with photovoltaic surplus	No	No

Model	WB VTEC Smart PV T2C
Code	40270
Input Voltage	230 VAC 50/60Hz
Max. current/power	32A / 7,4kw
Stand-by consumption	1,8 W
Recharge	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)
Output	1 x Cable 5m Type 2
Electrical protections	Not included
Leakage current circuit >6mA	On request
Output power adjustment	Via app
Power modulation according to home consumption	Included (through delivered toroid)
User profile management	On request
Payment management	On request
Charging with photovoltaic surplus	Yes

Model	WB VTEC Smart T2TC
Code	40250
Input Voltage	Three-phase 400 VAC
Max. current/power	32A / 7,4kw
Stand-by consumption	2 W
Recharge	Mode 3 acc. IEC 61851
AC output voltage	400 VAC
Output	1 x Cable 5m Type 2
Electrical protections	Not included
Output power adjustment	Via app
User profile management	On request
Payment management	On request

Apache / AC charging wallbox

The Wallbox Apache is a high profile product characterized by the stainless steel body with opening door. High quality materials ensure long life and resistance to the most aggressive environments. The Apache Wallbox can be configured with spiral cables or shuttered sockets up to a maximum of 2x22kW. The standard version is manufactured with Type 2 cables or sockets. The standard model communicates with the backend systems thanks to a proprietary system while on request it is possible to communicate through OCPP.

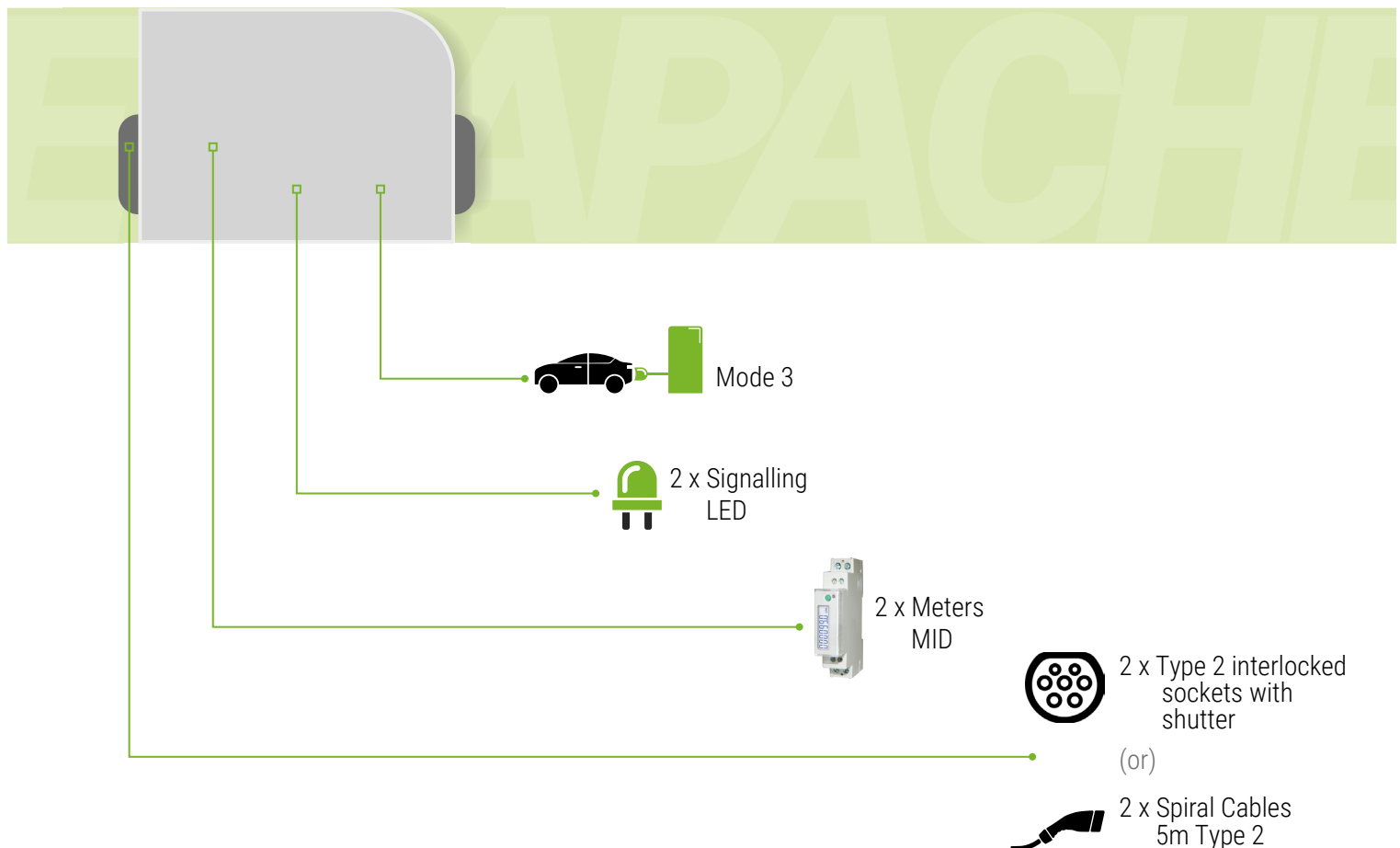
Technical specifications

Mechanical resistance	IP65 / IK10
Housing material	Stainless steel AISI304
Operating temperature	From -25°C to +45°C
Storage temperature	From -40°C to +60°C
Operating humidity	5% to 95% non-condensing
Network connection	IoT GSM / WiFi / Bluetooth
Signalling	RGB colour indicator
Controllo di Recharge	Mode 3 acc. IEC 61851
Front lock	Key-operated
Display	On request
Dimensions	344 x 254 x 183 mm
Weight	5,7 kg

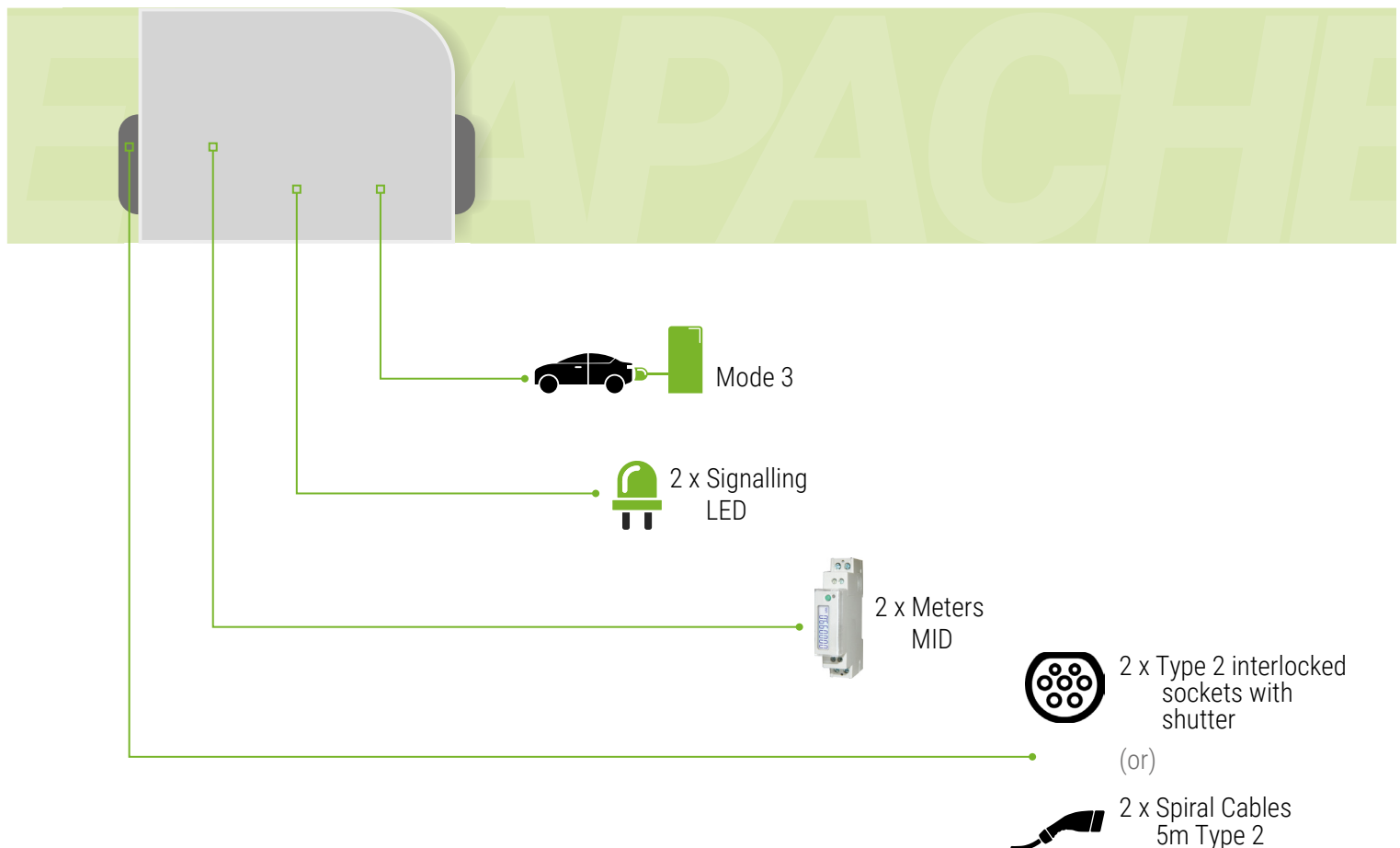


APACHE

Model	Wallbox Apache Plug&Charge	Wallbox Apache Smart T2C	Wallbox Apache Smart T2S
Code	40425	40430	40440
Input Voltage	230 VAC 50/60Hz	230 VAC 50/60Hz	230 VAC 50/60Hz
Max. current/power	64A / 2x7,4kW	64A / 2x7,4kW	64A / 2x7,4kW
Stand-by consumption	4 W	4 W	4 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
Output	2 x Spiral Cables 5m Type 2	2 x Spiral Cables 5m Type 2	2 x Type 2 interlocked sockets with shutter
OCPP	Not available	On request	On request
Meters	2 x MID certified	2 x MID certified	2 x MID certified
Electrical protections	Not included	Not included	Not included
Operation	Plug&Charge	Via app	Via app
Output power adjustment	Internal switch	Via app	Via app



Model	Wallbox Apache Smart T2TC	Wallbox Apache Smart T2TS
Code	40480	40460
Input Voltage	Three-phase 400 VAC	Three-phase 400 VAC
Max. current/power	64A / 2x22kW	64A / 2x22kW
Stand-by consumption	4,5 W	4,5 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
Output	2 x Spiral Cables 5m Type 2	2 x Type 2 interlocked sockets with shutter
OCPP 1.2 - 2.0	On request	On request
Meters	2 x MID certified	2 x MID certified
Electrical protections	Not included	Not included
Operation	Via app	Via app
Output power adjustment	Via app	Via app



Apache / AC Charging station

The Apache charging station can be configured with spiral cables or sockets with shutter with single phase input up to 2x7,4kW or threephase up to 2x22kW. It can work as plug&charge station or with dedicated app or with Ocpp third party management. The station includes safety components for each output and SPDs. The high quality of the materials ensure long life and resistance to the most aggressive environments. The large front panel is customizable with the customer graphics or logos.

Technical specifications

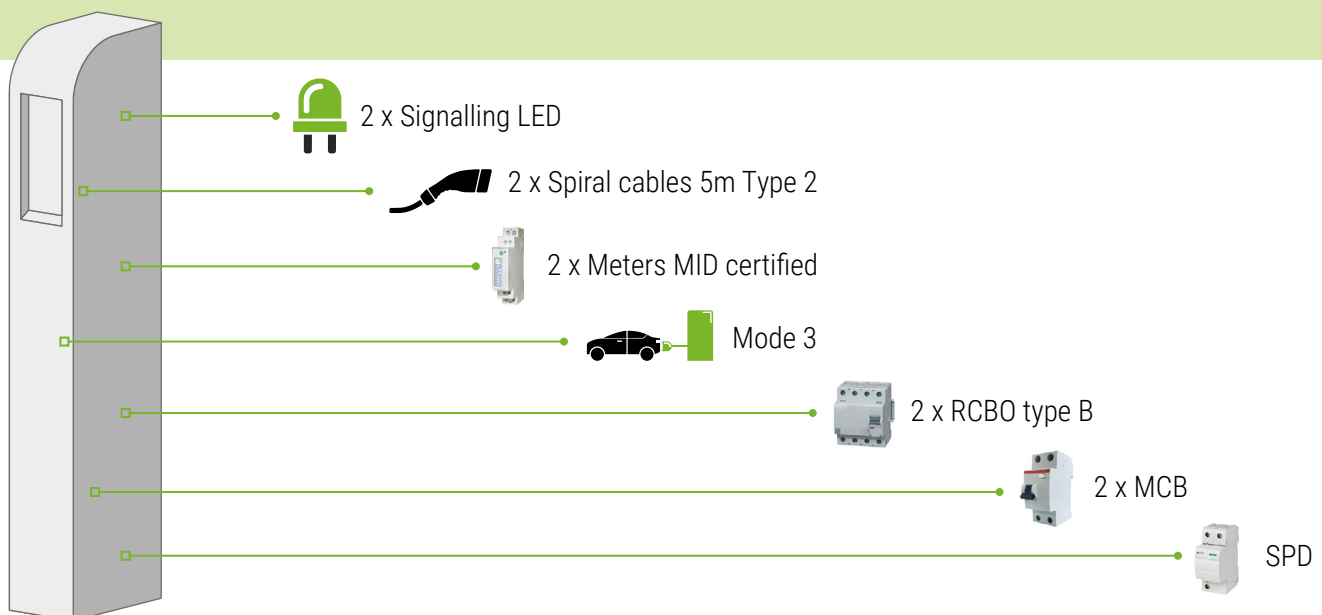
Mechanical resistance	IP54 / IK09
Housing material	Painted zinc plated steel
Operating temperature	From -25°C to +45°C
Storage temperature	From -40°C to +60°C
Operating humidity	5% to 95% non-condensing
Signalling	RGB colour indicator
Network connection	GSM / WiFi
Front lock	Key-operated
Display	On request
Charging protocol	Mode 3 acc. IEC 61851
Dimensions	380 x 1553 x 222 mm
Weight	30 kg



APACHE

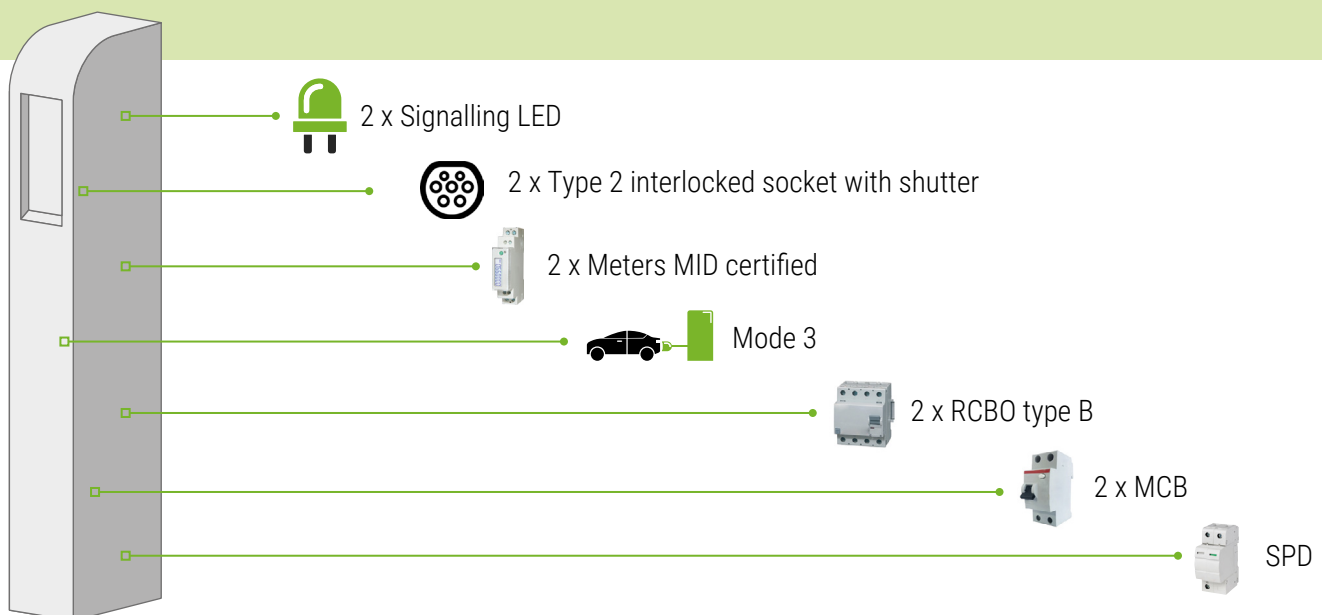
Models with Type 2 cables

Model	Apache Plug&Charge T2C	Apache T2C	Apache T2TC
Code	40325	40345	40380
Input Voltage	230 VAC +/- 10%	230 VAC +/- 10%	400 VAC +/- 10%
Max current	64 A	64 A	64 A
Max power	7,4 + 7,4 kW	7,4 + 7,4 kW	22 + 22 kW
Stand-by consumption	4 W	4 W	4,5 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)	Three-phase 400 VAC
Output	2 x Spiral cables 5m Type 2	2 x Spiral cables 5m Type 2	2 x Spiral cables 5m Type 2
Electrical protections	SPD + Fuses	SPD + Fuses	SPD + Fuses
Electrical safety devices	2 x RCBO 1P+N, 30mA , 40A , 6KA , Curve C (circuit breaker), Type B (residual device)	2 x RCBO 1P+N, 30mA , 40A , 6KA , Curve C (circuit breaker), Type B (residual device)	2 x RCBO 3P+N, 30mA , 40A , 6KA , Curve C (circuit breaker), Type B (residual device)
Meters	2 x MID certified	2 x MID certified	2 x MID certified
Operation	Plug&Charge	Via app	Via app
Output power adjustment	Internal switch	Via app	Via app
User profile management	No	Yes	Yes
Payment management	No	Yes	Yes
Installation	On the floor with anchor bolts and counterplate	On the floor with anchor bolts and counterplate	On the floor with anchor bolts and counterplate



Models with Type 2 plugs

Model	Apache T2S	Apache T2TS
Code	40340	40360
Input Voltage	230 VAC +/- 10%	400 VAC +/- 10%
Max current	64 A	64 A
Max power	7,4 + 7,4 kW	22 + 22 kW
Stand-by consumption	4 W	4,5 W
Recharge	Mode 3 acc. IEC 61851	Mode 3 acc. IEC 61851
AC output voltage	230 VAC (1P + N + PE)	Three-phase 400 VAC
Output	2 x Type 2 interlocked sockets with shutter	2 x Type 2 interlocked sockets with shutter
Electrical protections	SPD + Fuses	SPD + Fuses
Electrical safety devices	2 x RCBO 1P+N, 30mA , 40A , 6KA , Curve C (circuit breaker), Type B (residual current)	2 x RCBO 3P+N, 30mA , 40A , 6KA , Curve C (circuit breaker), Type B (residual current)
Meters	2 x MID certified	2 x MID certified
Output power adjustment	Yes	Yes
User profile management	Yes	Yes
Payment management	Yes	Yes
OCCP	On request	On request
Installation	On the floor with anchor bolts and counterplate	On the floor with anchor bolts and counterplate



SIRIUS 3-60 / Fast charging station

The Sirius 3 station is a 60kW DC fast charger equipped with 2 CCS/CHAdEMO/AC connectors and a type 2 connector for Mode3 charging up to 22 kW.
RFID reader, 4G modem, LAN, IoT card and OCPP protocol are included in the station as well as the 4G, LAN e WiFi connection.

Technical specifications

Model	Sirius 3-60 DC
Code	15020
Input Voltage	400 VAC +/- 10%
Max current	95 A + 36 A
Max power	60 kW (DC) +22 kW (AC)
Adjustable Max power	Through software
Charging protocol	Mode 4 acc. IEC 61851
Output AC	up to DC 1000V
Output	CCS2 + CHAdEMO + Type 2
Electrical protections	SPD + Fuses
Communications	4G, Wifi, Ethernet
Electrical safety devices	Circuit breakers / B-type differential switches / SPDs
Meters	3 for simultaneous charging
Output power adjustment	Yes
User profile management	Android
Payment management	Yes
OCPP 1.6	Yes
Installation	On the floor with anchor bolts and counterplate



SIRIUS

Model	Sirius 3 DC	
Charging	60 kW (DC) +22 kW (AC)	
AC Input	Input Voltage	400 VAC
	Configuration	3P + N +PE
	Max. input power	Single DC plug: 66 kVA
		AC 27,5 kVA
		AC+DC simultaneous 25 kVA + 66 kVA = 91 kVA
	Frequency	50 / 60 Hz
	Power factor	> 0.99
Efficiency	> 95% (al 100% del carico)	
DC Output	Output Voltage	50~500 Vdc (CHAdeMO), 150~750 Vdc (CCS), 48~120 Vdc (GB/T)
	Max. current output	Single plug: 150 A @ 400 V, 120 A @ 500 V, 80 A @ 750 V, 1000 V optional
	Power output	60 kW
	Recharge	1 gun full power, 2 guns automatic balance
	Voltage and Current range	± 1%
User interface	Display	7" TFT-LCD touch screen
	Emergency button	Included with protection for immediate stop of the charge
	Authentication	RFID
	Information on screen	Status and process of charging / Messaging and alarms
Communications	External	3/4G, WiFi and Ethernet
	Internal	CANBus / RS485 / RS232
Dimensions	659 x 550 x 1730	
Reference standards	CHAdeMO 2.0 / DIN 70121 / ISO 15118 / IEC 61851-23, IEC 61851-24	
Electrical isolation	Primary / Secondary as per standard	
Cooling	Forced ventilation	
Input protections	OVP, OCP, OPP, OTP, UVP, RCD, SPD	
Electrical protections	Short circuit, OCP, OVP, LVP, OTP, RCD	
Noise	< 55 dB	
Protection level	IP54 / IK10	
Weight	280 Kg	

SIRIUS 3-120 / Fast charging station

The Sirius 3 station is a 120 kW DC fast charger equipped with 2 CCS/CHAdEMO/AC connectors and a type 2 connector for Mode3 charging up to 22 kW. RFID reader, 4G modem, LAN, IoT card and OCPP protocol are included in the station as well as the 4G, LAN e WiFi connection.

Technical specifications

Model	Sirius 3-120 DC
Code	15020
Input Voltage	400 VAC +/- 10%
Max current	195 A + 36 A
Max power	120 kW (DC) +22 kW (AC)
Adjustable Max power	Through software
Charging protocol	Mode 4 acc. IEC 61851
Output AC	up to DC 1000V
Output	CCS2 + CHAdEMO + Type 2
Electrical protections	SPD + Fuses
Communications	4G, Wifi, Ethernet
Electrical safety devices	Circuit breakers / B-type differential switches / SPDs
Meters	3 for simultaneous charging
Output power adjustment	Yes
User profile management	Android
Payment management	Yes
OCPP 1.6	Yes
Installation	On the floor with anchor bolts and counterplate



SIRIUS

Model	Sirius 3-120 DC	
Charging	120kW (DC) +22 kW (AC)	
AC Input	Input Voltage	400 VAC
	Configuration	3P + N +PE
	Max. input power	Single DC plug: 135 kVA
		AC 25 kVA
		AC+DC simultaneous 25 kVA + 135 kVA = 160 kVA
	Frequency	50 / 60 Hz
	Power factor	> 0.99
Efficiency	> 95% (al 100% del carico)	
DC Output	Output Voltage	50~500 Vdc (CHAdeMO), 150~750 Vdc (CCS), 48~120 Vdc (GB/T)
	Max. current output	Single plug: 300 A @ 400 V, 240 A @ 500 V, 160 A @ 750 V, 1000 V optional
	Power output	120 kW
	Recharge	1 gun full power, 2 guns automatic balance
	Voltage and Current range	± 1%
User interface	Display	7" TFT-LCD touch screen
	Emergency button	Included with protection for immediate stop of the charge
	Authentication	RFID/App
	Information on screen	Status and process of charging / Messaging and alarms
Communications	External	3/4G, WiFi and Ethernet
	Internal	CANBus / RS485 / RS232
Dimensions	659 x 550 x 1730	
Reference standards	CHAdeMO 2.0 / DIN 70121 / ISO 15118 / IEC 61851-23, IEC 61851-24	
Electrical isolation	Primary / Secondary as per standard	
Cooling	Forced ventilation	
Input protections	OVP, OCP, OPP, OTP, UVP, RCD, SPD	
Electrical protections	Short circuit, OCP, OVP, LVP, OTP, RCD	
Noise	< 55 dB	
Protection level	IP54 / IK10	
Weight	320 Kg	



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