Solution for electric car

Take the road with new energies

:hager

As easy, as witty

The ultimate advantages in the technical and aesthetic range.

Quick and easy comissioning for installers, reliable and performing charge for users, witty range is the perfect combination for residential and commercial premises.

start

card

connect

charge

stop

card

disconnect

:hager

Technology
serving the distance

Charging time will vary according to both power and charging mode.

Charging a car requires a dedicated solution adapted to the car and the capacity of electrical supply.
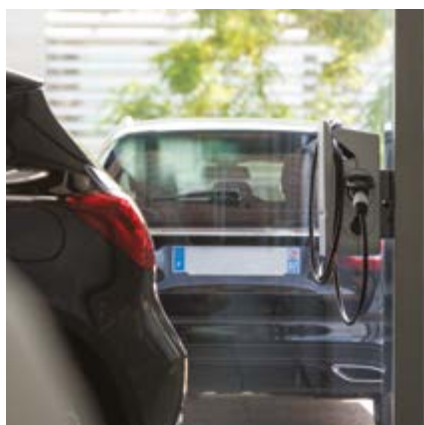

Private car

Mode 3 (1-phase)
7.4 kW
with access control and billing services
witty premium or park

What is impacting the distance capacity ?

The capacity of electric cars does not only depend on the battery, but also on :
– type of journey (Flat, varied, urban,...),
– driving mode,
– used accessories (headlights, heating, air conditioning, wipers and on other accessories).

Company car

Mode 3
1 or 3 phase
7.4 to 22 kW
With access control
witty premium or park

Customers

Mode 3
1 or 3 phase
7.4 to 22 kW
With or without access control and billing services
witty premium or park

Carpark private/public

Mode 3
1 or 3 phase
7.4 to 22 kW
With access control and billing services
witty premium or park

How many kilometers with 1h charging ?

	Slow charging		Accelerated charging			Fast charging	
	Mode 2	Mode 3	Mode 3			Mode 3	Mode 4
	8A 1-phase	16A 1-phase	32A 1-phase	16A 3-phase	32A 3-phase	63A 3-phase	120A CC
	2 kW	4 kW	7 kW	11 kW	22 kW	43 kW	50 kW
Zoé 400	12 km	20 km	45 km	90 km	150 km	240 km	-
e-Golf	12 km	18 km	45 km	-	-	-	-
Tesla model S P100D	-	-	35 km	54 km	81 km	400 km	500 km

For every car
its solution

Z.E. Ready

It is a mark which purpose to ensure the compatibility between the charging station and Renault Z.E. cars.

Z.E. READY

All our witty offer premium version are labeled Z.E. Ready 1.2

Charging time
to 100 %

	Slow charging		Accelerated charging			Fast charging	
	Mode 2	Mode 3	Mode 3			Mode 3	Mode 4
	8A 1-phase	16A 1-phase	32A 1-phase	16A 3-phase	32A 3-phase	63A 3-phase	120A CC
	2 kW	4 kW	7 kW	11 kW	22 kW	43 kW	50 kW
Zoé 400	25h*	16h*	7h30*	4h30*	2h40*	2h40*	-
e-Golf	17h*	10h50*	5h20*	-	-	-	1h20*
Tesla model S P100D	-	-	17h30**	11h20**	7h30**	2h20**	2h**

* According to the manufacturer
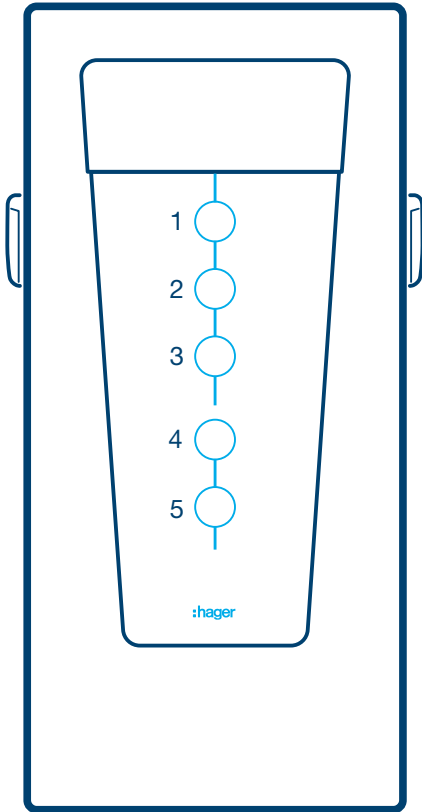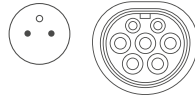** Given estimation for 100 % charge

start

stop

:hager

witty park

Application: **indoor and outdoor**
Installation: **wall-mounted or with pedestal**
Charging mode: **accelerated charge**
Type of chargeable vehicle: **cars and utilities**
Advantages: **compact**
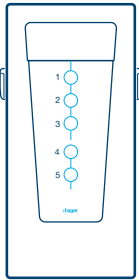Type of socket outlet:

witty park

	Power	Type of socket outlet	1-phase connection	3-phase connection	Access control	Communication	Installation
XEV600	4–7 kW	2 x T2S 2 x type E	•		With RFID badge		Indoor and outdoor
XEV601	9–22 kW	2 x T2S 2 x type E		•	With RFID badge		Indoor and outdoor
XEV600C	4–7 kW	2 x T2S 2 x type E	•		With RFID badge	•	Indoor and outdoor
XEV601C	9–22 kW	2 x T2S 2 x type E		•	With RFID badge	•	Indoor and outdoor

Technical data sheet
witty park

Technical characteristics	XEV600	XEV600C
Application	Garage, covered parking space or outdoor parking space in multi-purpose residential buildings or in offices buildings, parkings.	
Installation	Wall or on the floor with pedestal	
Charging mode	Mode 3 and Mode 2	
Charging points	2	
Access control	Charge authorization by RFID (series), station delivered without badge	
Socket outlet type	T2S (Mode 3) and TE (Mode 2)	
Certification	Z.E. READY	
Voltage and current	230 V AC - 32A	
Power supply	Ph + N	
Charging power capacity	2.3 kW fixed socket Mode 2 or 2.3 to 7kW socket mode 3, adjustable intensity by selector	
Communication	-	OCPP over IP (TCP/IP RJ45 embeded board)
Metering	-	Integrated energy meter visible on the side
Protection devices	Not delivered - 2 rcbo 30 mA type A/HI 40 A curve C	
Charging signal	Charging status LED strip (3 colors)	
Material	Metalic bi-color White RAL9010 and Grey RAL7011	
IP and IK resistance	IP54/IK10	
Connection terminal	10 mm^2. Electrochemical compatibility only with copper cables. Do not connect copper-aluminium cables.	
Operating temperature range	-25°C to +40°C	
Weight	30 kg	
Dimensions	l. 355 x h. 765 x p. 202 mm	
Standards and certifications	Station : IEC 61851 and IEC 62196-2	
Others	Immediate or delayed with by-pass possibility charge input + 24 V for control : Stop / limitation mini ZE / full load, charging current limitation, does not work with NFC technology, fullfills the requirement of the charge point operators and the e-mobility providers.	

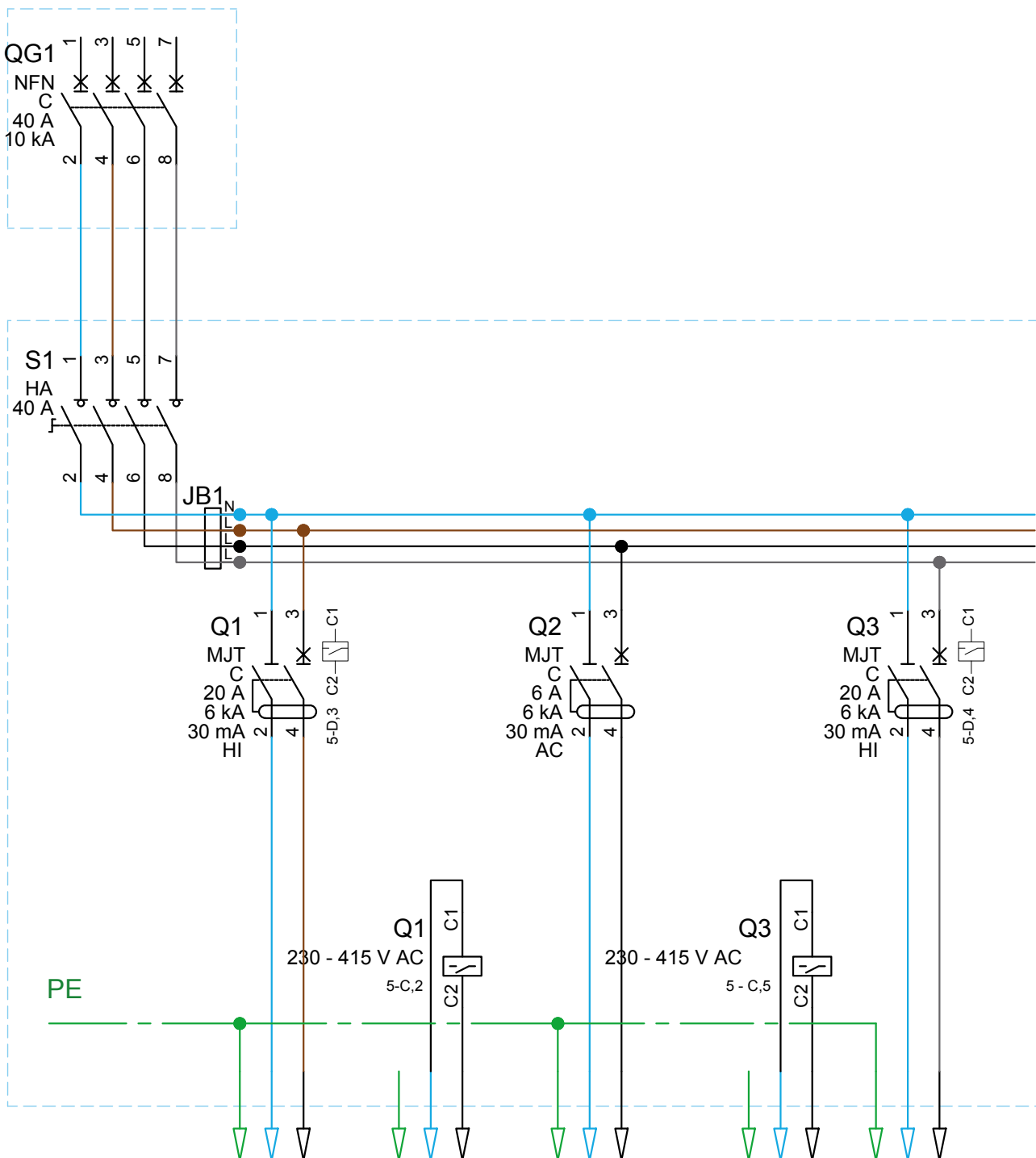| Option / extras / variants	XEV600	XEV600C
Wall support XEV427	Allows fixing and raising the station on a wall.	
Pedestal mounting support XEV426	Possible installation of the station at the edge of the parking space. Possible integration of a waterproof cabinet for the protection devices.	
Concret anchorage XEV428	Compatible with XEV426 stand.	
User badges RFID XEV308	Lot of 20 badges user, giving access only to the charging station.	
Administrator badges RFID XEV309	Lot of 3 badges administrators, giving access to the charging station and user badge settings.	
Cabinet for pedestal VE312F	IP55/IK10 cabinet with 3x12 din rail fixation allowing to install all the protection devices on the XEV426 pedestal	
Installation information	Delivered with wall mount not enhanced, assembly instructions and user manual. The kit does not include : - wall support, - pedestal mounting support, - protection.	Delivered with wall mount not enhanced, assembly instructions and user manual. The kit does not include : - pedestal mounting support, - protection.
Guaranty	2 years (from the date of manufacture)	

Technical data sheet
witty park
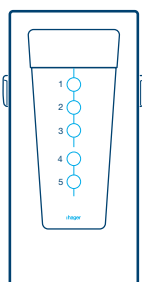
Technical characteristics	XEV601	XEV601C
Application	Garage, covered parking space or outdoor parking space in multi-purpose residential buildings or in offices buildings, parkings.	
Installation	Wall or on the floor with pedestal	
Charging mode	Mode 3 and Mode 2	
Charging points	2	
Access control	Charge authorization by RFID (series), delivered without badge	
Socket outlet type	T2S (Mode 3) and TE (Mode 2)	
Certification	Z.E. READY	
Voltage and current	230 V AC - 32A	
Power supply	Ph + N	
Charging power capacity	2.3 kW fixed socket Mode 2 or from 9 to 22 kW socket Mode 3, adjustable intensity by selector	
Communication	-	OCPP over IP (TCP/IP RJ45 embeded board)
Metering	-	Integrated energy meter visible on the side
Protection devices	Not delivered - 2 rcbo 30 mA type A/HI 40 A curve C	
Charging signal	Charging status LED strip (3 colors)	
Material	Metalic bi-color White RAL9010 and Grey RAL7011	
IP and IK resistance	IP54/IK10	
Connection terminal	10 mm^2. Electrochemical compatibility only with copper cables. Do not connect copper-aluminium cables.	
Operating temperature range	-25 °C to +40 °C	
Weight	30 kg	
Dimensions	l. 355 x h. 765 x p. 202 mm	
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Option / extras / variants	XEV601	XEV601C
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Application case

Example of charging station for 2 vehicles, 1-phase power supply with communication

QG1
NFN
C
40 A
10 kA

S1
HA
40 A

JB1

Q1
MJT
C
20 A
6 kA
30 mA
HI

Q2
MJT
C
6 A
6 kA
30 mA
AC

Q3
MJT
C
20 A
6 kA
30 mA
HI

Q1
230 - 415 V AC
5-C,2

Q3
230 - 415 V AC
5 - C,5

PE

Notes

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