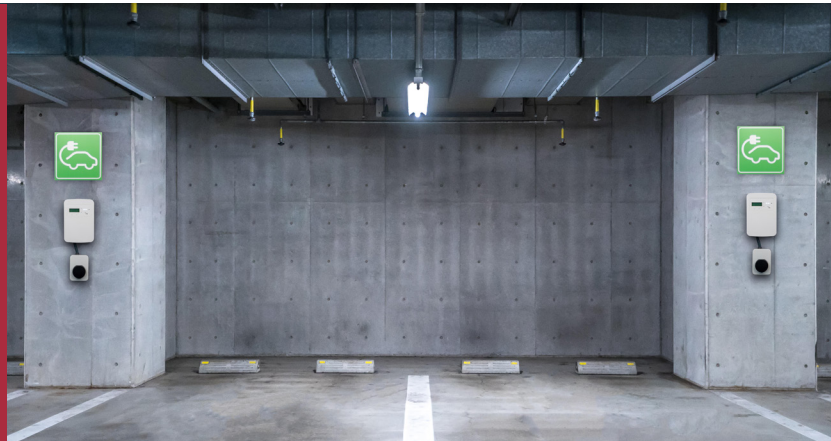
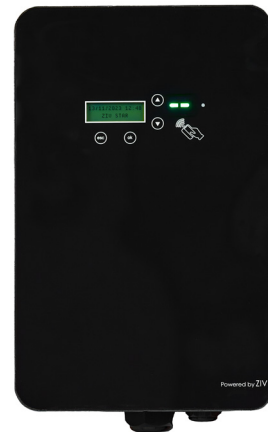


ZIV EV CHARGERS



ZIV Spot

a compact device
recommended for private & corporate⁽¹⁾ use



ZIV Star

a robust desing,
recommended for corporate & public use ⁽²⁾

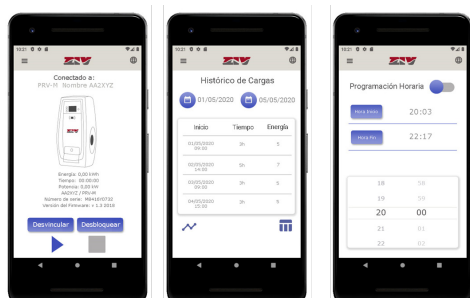
- ROBUST
 - Built in protections
 - Anti-vandalism cover
- SEMI FAST
 - Single phase (11kW pers socket) or Three phase (22kW pers socket)
 - Suitable for Simultaneous & semi fast charging
 - Dual socket or cable

1. Dedicated to a specific vehicle or groups of vehicles. Possibility to be located in public places, but not available to the general public. E.g. homes, private company car parks, etc.
2. Semi-public & Public: Private property with public access and limited by the hours of operation of the property and public parking areas. E.g. Supermarkets, shopping centers, parking, etc.



Wich one suits you better?

		ZIV SPOT	ZIV STAR
To be used in	Private use	X	
	Public Use (eg. Hotels, Supermarkets, Parking lots, Community Garage where 2 sockets per unit are required)	–	X
	Corporate Use (consulte equipo recomendado según condiciones de uso)	X	X
For	1 vehicle (Max 22 kW)	X	X
	2 vehicles (Max 11 kW –single phase model)	–	X
	2 vehicles (Max 22 kW –three phase model)	–	X
Enclosure	Plastic	X	–
	Metallic Anti-vandalism Cover	–	X
Plugs	Socket or Hose (cable) available	–	X
	Single Deported socket	X	–
	Single & Dual socket / hose (cable)	–	X
Inbuilt protections	Magnetothermic	–	X
	Differential Protection	–	X
Dimension & weight	Compact size 332 x 229 x 86 mm < 2,5 kg	X	–
	Medium size 515 X 330 X 154,3 < 9 kg		X
Pedestal	Pedestal	X	X
Upcoming features	Wifi	X	X
	C/S Management	X	X
	Energy Management System	X	X



Functional Level

- ✓ Authentication
- ✓ Start / stop
- ✓ Entry/Exit Lockout
- ✓ Recharge schedule
- ✓ Query historical recharge data
- ✓ Set the maximum static power
- ✓ Allow dynamic power management (load balancing)



ZIV EV APP

Technical Data



Key features

- POWER**
- Max power 7,4/22 kW (1Ph/3Ph) | **22 Max 11 kW –single phase model/44kW (ZIV Star)**
 - AC 230-400 V / 16-32 A Frequency
 - 50/60 Hz

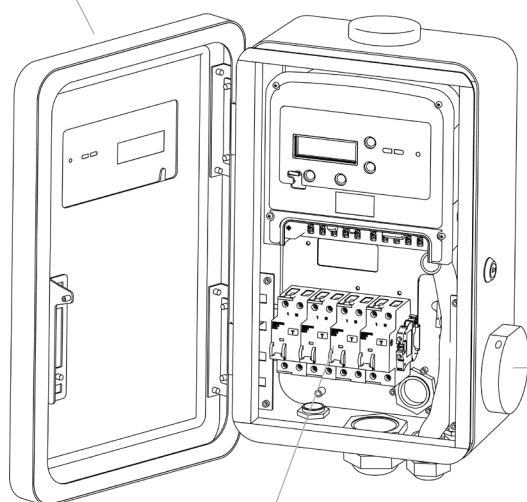
- DISPLAY & LEDS**
- Integrated display with access to all charger information
 - LED indicator lights for charging status. 1 Display, 4 Buttons, 2 LEDs , 1 metering

- COMMS**
- Total connection to improve maintenance, recharge management and SW updates
 - Bluetooth, 3G, OCPP 1.6J and Modbus communication
 - Pins: 2 RJ-11(RS-485) ; 1 Pin Home AC; 1 Pin Hilo Pilot wire according to IEC 61851-1

- ENCLOSURE**
- Customization to the customer's brand using vinyl or plastic
 - **ABS plastics (ZIV Spot) | Metallic anti-vandalism cover (ZIV Star)**

- KEY FEATURES**
- Hose/ **deported Socket (ZIV Spot) | Dual Socket for simultaneous charging (ZIV Star)**
 - Mark CE - IEC 61851-1 Ed3.0
 - DC leakage current protection | + **Magnetothermic & Differential Protection (ZIV Star)**
 - Mode 3 charge
 - Configuration in APP and Display

Metallic anti-vandalism cover

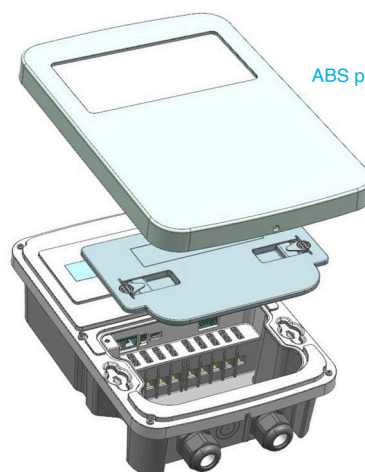


Magnetothermic & Differential Protection

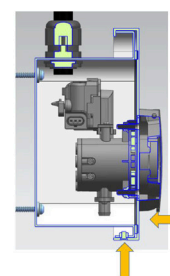
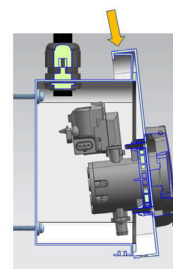
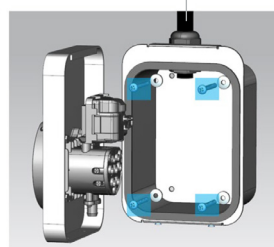
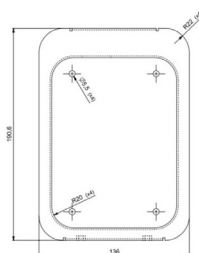
Dual Socket for simultaneous charging

- 2 vehicles (Max 11 kW –single phase model)
- 2 vehicles (Max 22 kW –three phase model)
- 1 vehicle, semi-fast charging (Max 44 kW –three phase model)

ABS plastics customizable enclosure



Hose/ **deported Socket**



Hose/ **deported Socket**

Technical Data



Electrical & Mechanical parameters

		ZIV SPOT	ZIV STAR
Charge Mode	Mode 3 according to IEC 61851-1	●	●
Input supply voltage	230V 1Ph+N+PE, 50/60Hz 400V 3Ph+N+PE, 50/60Hz	●	●
Power output	Single plug: Up to 7,4 kW (1ph) and up to 22 kW (3ph) Dual PLUG: Up to 7,4 kW (1ph) and up to 44 kW (3ph)	●	●
Type of earthing (depends on the installation)	TT by Defect TN for UK	●	●
Socket type	Type 2 socket according to IEC62196-2 Socket type 2 according IEC62196-2 with 5m cable	●	●
Inbuilt protection	DC leakage detector (6mA) Relays for overcurrent protection	●	●
	Magnetothermal	—	●
	Differential Protection	—	●
Overvoltage category	OV Cat. III (Requires external Surge Protection Device)	●	●
Energy meter	Class B (A) 2 (R) EN 50470-3	●	●
Standby consumption	< 1.5 W per phase	●	●
Cable feed	Bottom	●	●
Cable Output	Bottom	●	●

		ZIV SPOT	ZIV STAR
Protection degree	IK10	●	●
	IP 54	●	●
	IP55	—	●
Insulation	Class I (earth terminal)	●	●
Enclosure	Plastic	●	—
	Reinforced Aluminium, anti-vandalism	—	●
Mounting	Wall or ground using charger pedestal	●	●
Operation temperature	-25°C to +55°C	●	●
Storage temperature	85°C	●	●
Product dimensions	332 x 229 x 86 mm	332 x 229 x 86 mm	515 X 330 X 154,3
Weight	< 2,5 kg	< 2,5 kg	< 9 kg
Altitude	<2000m	●	●
Relative humidity	5-95% With no condensation	●	●
Cable handle (cable support)	Opcional	●	●



User interface

Connectivity	LTE, Ethernet, Bluetooth, RS485
User authentication	RFID MIFARE card reader, APP
User interface	APP ZIV LCD screen 22 x 70 mm 4 buttons
Status indication	2 status LEDs 1 Energy Pulse LED (kWh)
Communication protocol	OCPP 1.6J Bluetooth Modbus RTU
Connection ports	RS485 connector (RJ11) 4 pin male connector (PWM,CP, PP) USB C RJ45 (ethernet input for models with Modem)



Certificates

IEC 61851-1	2017 Electric vehicle conductive charging system
IEC 61851-21-2	2018 Electric vehicle conductive charging system
IEC 60068-2-30	(Test Db) Environmental testing
IEC 60068-2-1	(Test Ad) Environmental testing
IEC 61439-7	2018 Low voltage switchgear and control gear assemblies.