AZZURRO ELECTRIC VEHICLE CHARGING STATIONS

Zucchetti Centro Sistemi (ZCS) has always placed great value on environmental sustainability, and is now expanding its range of **ZCS Azzurro** products with the innovative smart charging station for electric vehicles. Electric mobility (eMobility) is becoming an important option for reducing polluting emissions and generating savings.

The **Zucchetti Centro** Sistemi (ZCS) chargers are available in two models with power capacities of 7kW and 22kW, single and three-phase, smart and connectable to any existing photovoltaic system, as well as the ZCS Azzurro production and storage inverters.

FIELDS OF APPLICATION:

- Home - residential
- Shops and small businesses
- Industries
- Shopping centres and department store carparks
- Hotels
- Public places
- Fitness centres and sports facilities
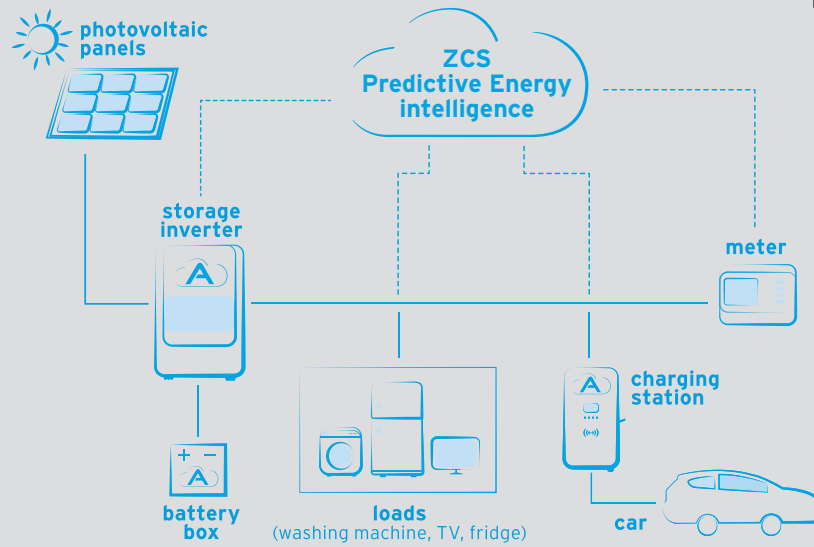- Anywhere an electric car can park…

The **entire range** is equipped with the innovative **ZCS Predictive Energy Intelligence** system capable of managing energy flows and predicting the energy demand in order to ensure the most efficient use of the electric vehicle, photovoltaic system and storage system. **ZCS Predictive Energy Intelligence** allows you to:

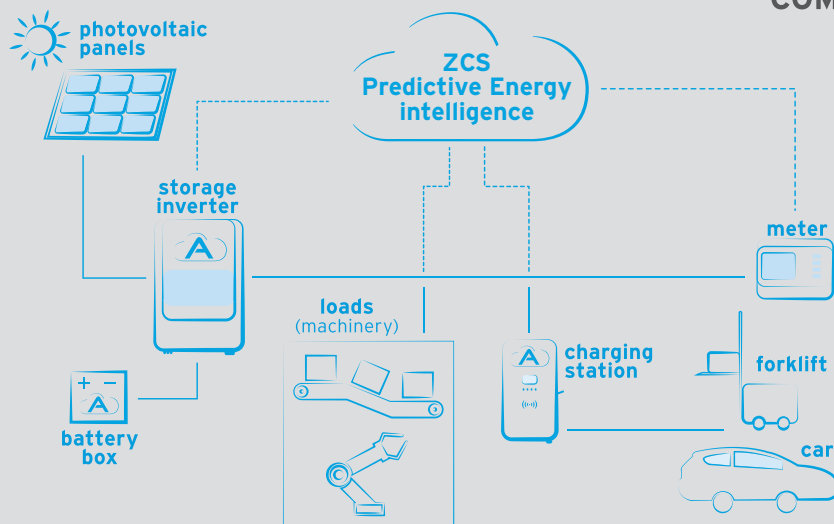**1-** Predict the amount of power produced based on weather forecasts.

2- Efficiently distribute the energy produced between the car and home, according to the needs of the user and the distance to be travelled.

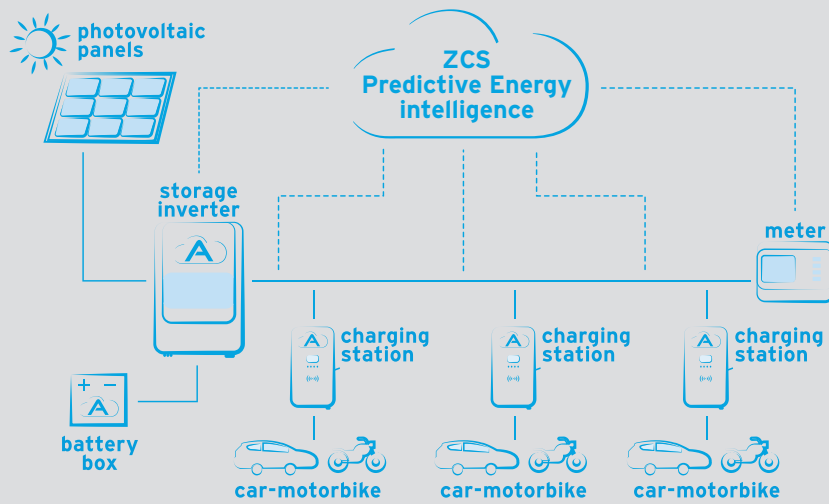**3-** Optimise the energy imported from the grid.

DOMESTIC USE

photovoltaic panels

ZCS
Predictive Energy
intelligence

storage
inverter

meter

charging
station

battery
box

loads
(washing machine, TV, fridge)

car

COMMERCIAL USE

photovoltaic panels

ZCS
Predictive Energy
intelligence

storage
inverter

meter

loads
(machinery)

charging
station

forklift

battery
box

car

PARKING USE

photovoltaic panels

ZCS
Predictive Energy
intelligence

storage
inverter

meter

charging
station

charging
station

charging
station

battery
box

car-motorbike

car-motorbike

car-motorbike

CHARGING STATIONS: ADVANTAGES AND TECHNICAL DATASHEET

COMPACT & LIGHTWEIGHT ✔

CERTIFIED FOR INSTALLATIONS THROUGHOUT EUROPE ✔

COMPATIBLE WITH ALL ELECTRIC VEHICLES ✔

ABILITY TO MONITOR AND CONTROL MULTIPLE DEVICES ✔

IP54 PROTECTION RATING FOR INDOOR AND OUTDOOR INSTALLATIONS ✔

EASY INSTALLATION ON A WALL OR SUPPORT ✔

RFID TECHNOLOGY FOR CHARGING ✔

TOUCH DISPLAY AND KEYPAD ✔

TECHNICAL SPECIFICATIONS	ZCS-7000-BE-24	ZCS-AC022K-BE-24
AC Input data		
Type of connection	Single-phase (1PH + Neutral + PE)	Three-phase (3PH + Neutral + PE)
AC input voltage	230V +/- 10%	400V +/- 10%
AC input frequency	50Hz	50Hz
AC Output data		
AC output voltage	230V +/- 10%	400V +/- 10%
Maximum AC output current	32A	32A
Maximum Power	7kW (can be limited via software)	22kW (can be limited via software)
General data		
Housing material	Plastic PC940	Galvanised steel
Front panel	Tempered glass	Tempered glass
Installation	To wall / On support	To wall / On support
Connector	Charging socket Type 2 – cable not included (optional)	Charging socket Type 2 – cable not included (optional)
LCD screen	Graphic screen	Graphic screen
Controls	4 touch buttons – emergency button – RFID contact	4 touch buttons – emergency button – RFID contact
RFID card	2 included	2 included
Energy Meter	MID Certificate	MID Certificate
RCD protection	Type A + 6mA DC	Type A + 6mA DC
Degree of protection	IP54	IP54
Cooling	Natural convection	Natural convection
Environmental Data		
Operating temperature	-30°C / +50°C	-30°C / +50°C
Humidity	5% / 95% non-condensing	5% / 95% non-condensing
Maximum operating altitude	2000m	2000m
Installation	Indoor / Outdoor	Indoor / Outdoor
Safety protections		
Integrated protections	Over and under voltage, power overload, short circuit, dispersion currents, missing ground connection, surge, over and under temperature	Over and under voltage, power overload, short circuit, dispersion currents, missing ground connection, surge, over and under temperature
Applicable safety standards	IEC 61851-1: 2017, IEC 62916-2: 2016	IEC 61851-1: 2017, IEC 62916-2: 2016
Warranty	2 years	2 years
Dimensions and accessory parts		
Dimensions (HxWxD)	356mm x 221mm x 136mm	452mm x 295mm x 148mm
Weight	3kg	10kg
Accessories	Communication gateway (Ethernet/3G/4G), Ground mounting support, cable Type 2-Type 2 (4m), cable Type 2-Type 1 (4m)	Communication gateway (Ethernet/3G/4G), Ground mounting support, cable Type 2-Type 2 (4m), cable Type 2-Type 1 (4m)