

power your future



Electric vehicle charging stations EV-C type

AC

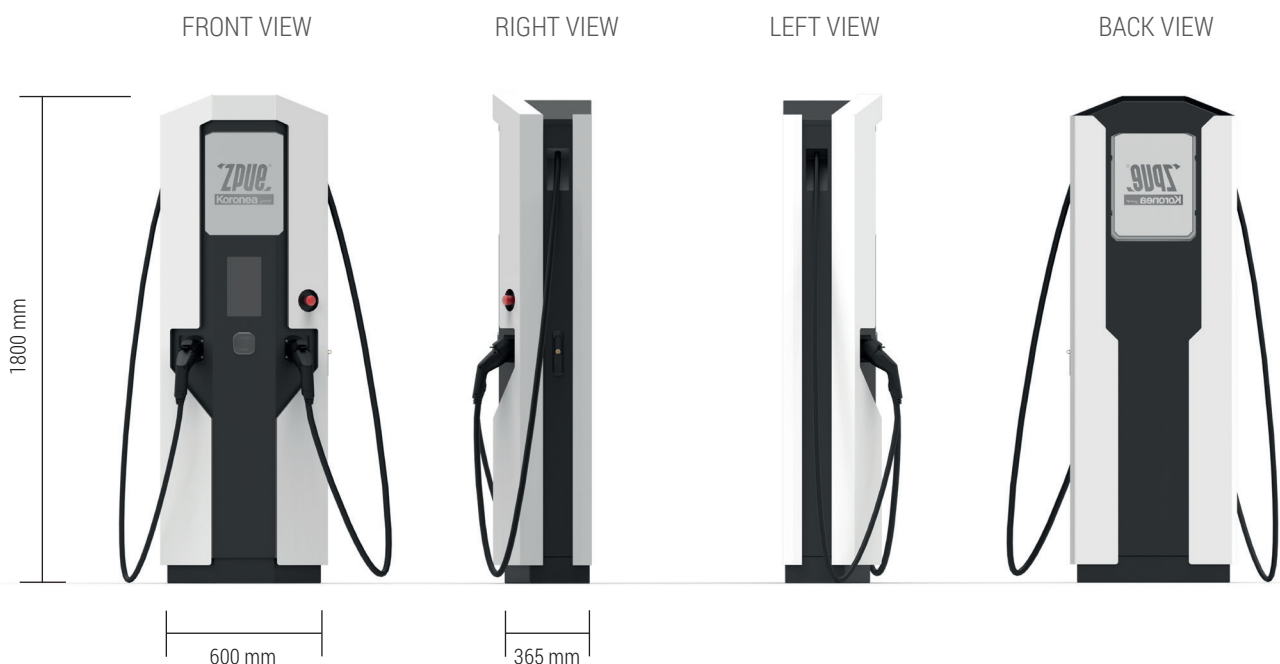


The electric vehicle market is growing fast, increasing the demand for quick and reliable charging stations. EV-C charging stations are convenient and user-friendly solutions that enable quick and safe battery charging. AC charging stations also take up a small amount of space, and modern technologies enable easy installation and maintenance.

Main advantages

- High-quality charging plugs allow for safe and fast battery charging.
- Integrated with all charging service operators,
- Modern design and a customisable appearance (brand markings and colour),
- Easy and intuitive use,
- After-sales support,
- Polish product. 🇵🇱

Electric vehicle AC charging stations:



		EV-C2x22AC	EV-C22AC
AC POWER SUPPLY	U _{AC} voltage	3 x 400 V / 50 Hz	
	Power connection	48 kVA	24 kVA
	Power factor	TN-S, TN-C TN-C-S (other configurations available upon request)	
CHARGING WITH AC CURRENT	Rated power	2 x 22 kW	22 kW
	Voltage, frequency	400 V, 50 Hz	
	I _{DC} current	2 x 32 A	32 A
	Number of connections	2	1
	Type of plug	AC type 2 – 2 pcs	AC type 2 – 1 pc
	Length of the charging cable	spiral cables 4,5 m ^{±10%}	
COMMUNICATION	Authorisation	RFID, operator's application	
	Protocol	OCPP 1.6 J	
	External communication	GSM: 3G/4G LTE, Modbus TCP/IP	
USER INTERFACE	LED indicators	indicator lights showing the charging station status	
	Safety	integrated emergency stop switch	
ENCLOSURE	Dimensions	600mm x 365mm x 1800mm	
	Material	powder-coated stainless steel	
	Operating temperature	from -30°C to +50°C (the output power may be reduced at temperatures > +40°C)	
	Relative humidity	≤ 95% (not condensed)	
	Protection Rating	IP54 / IK10	
	Weight	140 kg	130 kg
CONFORMITY TO STANDARDS	Charging	IEC 62196-1, IEC 62196-2, IEC 61851-1	
	Communication	IEC 61851-23, IEC 61851-24, IEC 62479-1, DIN 70121, ISO 15118	
	General	CE, EN 60529, EN 62262, IEC 61851-21-2, LVD 2014/35/UE	

OPTIONAL EQUIPMENT AND ACCESSORIES *

"OVER THE AIR" firmware updates

HMI 10" touch panel to operate the station

Payment terminal (planned implementation of the service – 4th quarter of 2023)

Charging station branding

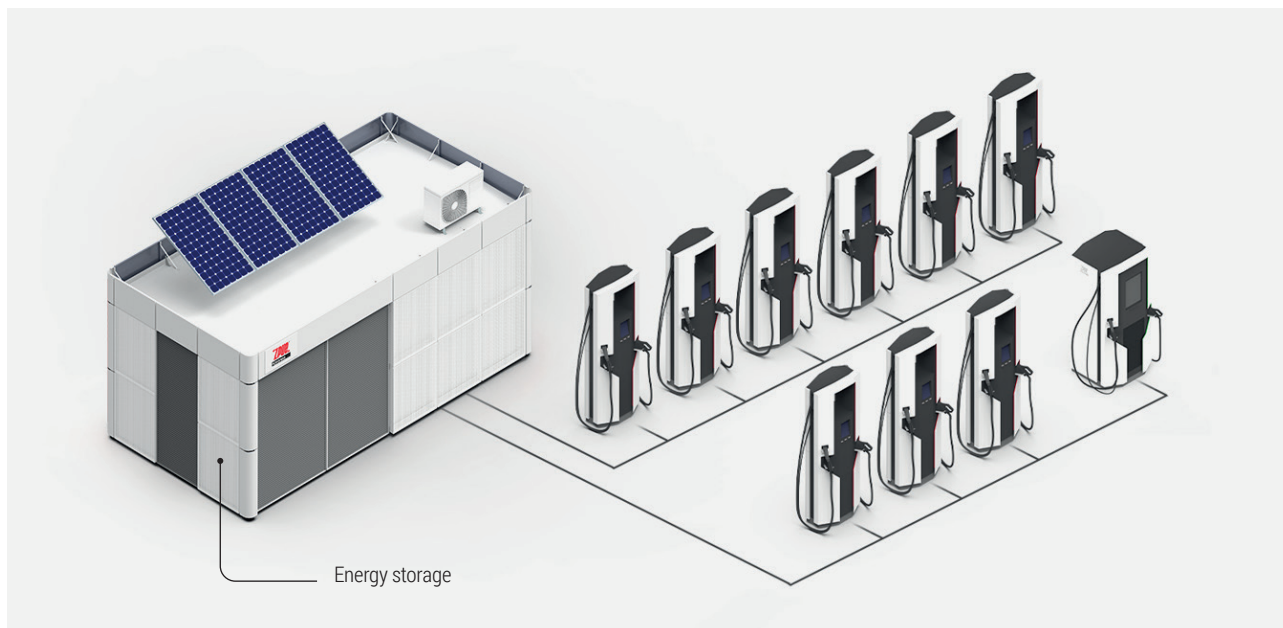
Change of charging cable length, Type-2 charging socket

Precast foundation

Dynamic distribution of charging power - DLM

* – selection of extra equipment results in a change of price and longer lead time.

HUB - Electric Vehicle Charging Center



Main advantages of the HUB

- Prevention of significant load fluctuations during electric vehicle charging,
- Storage of electricity from the distribution grid (e.g., less expensive night tariff) or RES so that it can be used at times when no electricity is generated,
- Security and continuity of supply,
- Optimisation of supply infrastructure, possibility of installing more charging stations,
- Power factor adjustment,
- Lower contracted capacity, reduced demand for electricity from the power grid.

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