

power your future



Electric vehicle charging stations EV-C type


60 kW | 90 kW | 120 kW | 150 kW



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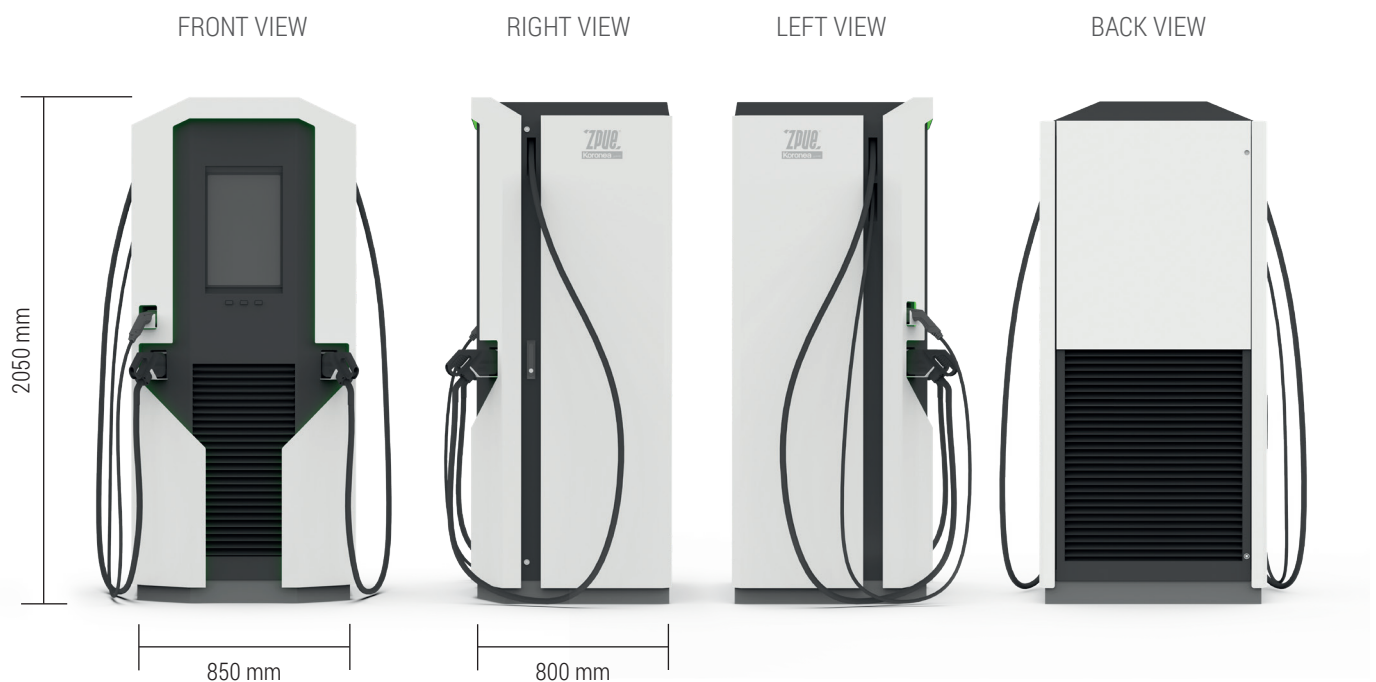
The available DC power is 60 kW, 90 kW, 120 kW or 150 kW, which is easily scalable and will allow you to keep up with the development of the electric vehicle market, and also to adapt to the needs of customers.

Main advantages

- Short charging time (80% in 20 minutes*),
- Integrated with all charging service operators,
- The dynamic distribution of charging power allows for the simultaneous charging of up to three vehicles to maximise the charging potential,
- Modern design and a customisable appearance (brand markings and colour),
- Easy and intuitive use,
- After-sales support,
- Polish product. 

* depending on the capacity and technology of the battery

Electric vehicle DC charging stations:



		EV-C60	EV-C90	EV-C120	EV-C150
AC POWER SUPPLY	U _{AC} voltage	3 x 400 V / 50 Hz			
	Power connection	90 kVA	123 kVA	156 kVA	189 kVA
	Power factor	≥0,99 (at full load)			
	Efficiency	≥ 95% (for an output power above 50%)			
	THDi	≤5 %			
	Energy metering	metering conforming to the MID			
	Earthing system	TN-S, TN-C, TN-C-S (other configurations available upon request)			
CHARGING WITH DC CURRENT	Rated power	60 kW	90 kW	120 kW	150 kW
	U _{DC} voltage	150 ÷ 1000 VDC			
	I _{DC} current	0 ÷ 125 A: CHAdeMO	0 ÷ 125 A: CHAdeMO		
		0 ÷ 200 A: CCS typ 2	0 ÷ 250 A: CCS typ 2		
	Number of connections	2			
	Number of connections that can be used at the same time	1	2		
	Type and number of plugs	CCS2 + CHAdeMO 2xCCS2 (upon request)	CCS2 + CHAdeMO 2xCCS2		
Length of the charging cable	4,2 m ^{±5%}				
CHARGING WITH AC CURRENT	Rated power	22 kW			
	Voltage, frequency	400 V, 50 Hz			
	I _{AC} current	32 A			
	Number of connections	1			
	Plug type	AC typ 2			
	Length of the charging cable	4,2 m ^{±5%}			
COMMUNI- CATION	Authorisation	RFID, PIN code, operator's application			
	Protocol	OCPP 1.6 J			
	External communication	GSM: 3G/4G LTE, Modbus TCP/IP			
USER INTERFACE	Display	HMI 15" touch panel			
	LED indicators	indicator lights showing the charging station status			
	Safety	integrated emergency stop switch			
ENCLOSURE	Dimensions	850mm x 800mm x 2050mm			
	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	470 kg	500 kg	530 kg	570 kg
CONFOR- MITY TO STANDARDS	Charging	IEC 62196-1, IEC 62196-2, IEC 62196-3, IEC 61851-1, CHAdeMO rev.1.2			
	Communication	IEC 61851-23, IEC 61851-24, IEC 62479-1, DIN 70121			
	General	CE, EN 60529, EN 62262, IEC 61851-21-2, LVD 2014/35/UE			

OPTIONAL EQUIPMENT AND ACCESSORIES *

"OVER THE AIR" firmware updates

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

Charging station branding

DC electricity meters at the charging point

Change of charging cable length, Type-2 charging socket

Precast foundation

Suitable for further expansion (up to 150 kW)

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

ALLOCATION OF POWER TO THE CONNECTORS

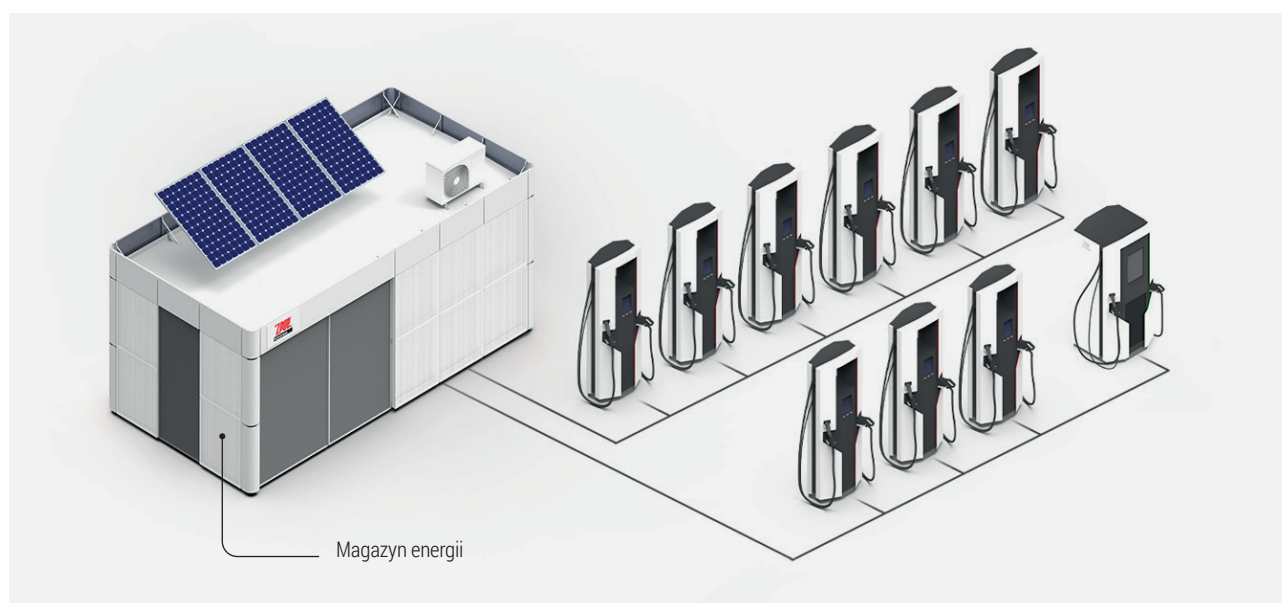
EV-C60 * different allocation available upon request		
	CCS2	CHAdeMO (CCS2 upon request)
1.	60 kW	-
2.	-	60 kW

EV-C120		
	CCS2	CHAdeMO/CCS2
1.	120 kW	-
2.	60 kW	60 kW

EV-C90		
	CCS2	CHAdeMO/CCS2
1.	90 kW	-
2.	60 kW	30 kW

EV-C150		
	CCS2	CHAdeMO/CCS2
1.	150 kW	-
2.	90 kW	60 kW

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.

For more information, contact:

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