

power your future




# Electric vehicle charging stations EV-C type

30 kW



The EV-C 30 offers a charging power of 30 kW DC and 11 kW AC. It is a reliable unit that can charge up to two vehicles at the same time. The station was created specifically for locations where the connected capacity cannot be increased and fast charging is required.

## Main advantages

- Shorter charging time in comparison with AC charging stations,
- 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-C30
AC POWER SUPPLY	U <sub>AC</sub> voltage	3 x 400 V / 50 Hz
	Power connection	45 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	30 kW
	U <sub>DC</sub> voltage	150 ÷ 1000 VDC
	I <sub>DC</sub> current	0 ÷ 100 A
	Number of connections	1
	Type of plug	CCS2
	Length of the charging cable	4,2 m <sup>±5%</sup>
CHARGING WITH AC CURRENT	Rated power	11 kW
	Voltage, frequency	400 V, 50 Hz
	I <sub>AC</sub> current	16 A
	Number of connections	1
	Plug type	AC type 2
	Length of the charging cable	4,2 m <sup>±5%</sup>
COMMUNICATION	Authorisation	RFID, operator's application, PIN code (available for version with display)
	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	750 x 365 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	240 kg
CONFORMITY TO STANDARDS	Charging	IEC 62196-1, IEC 62196-2, IEC 62196-3, IEC 61851-1
	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

HMI 10" touch panel to operate the station

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

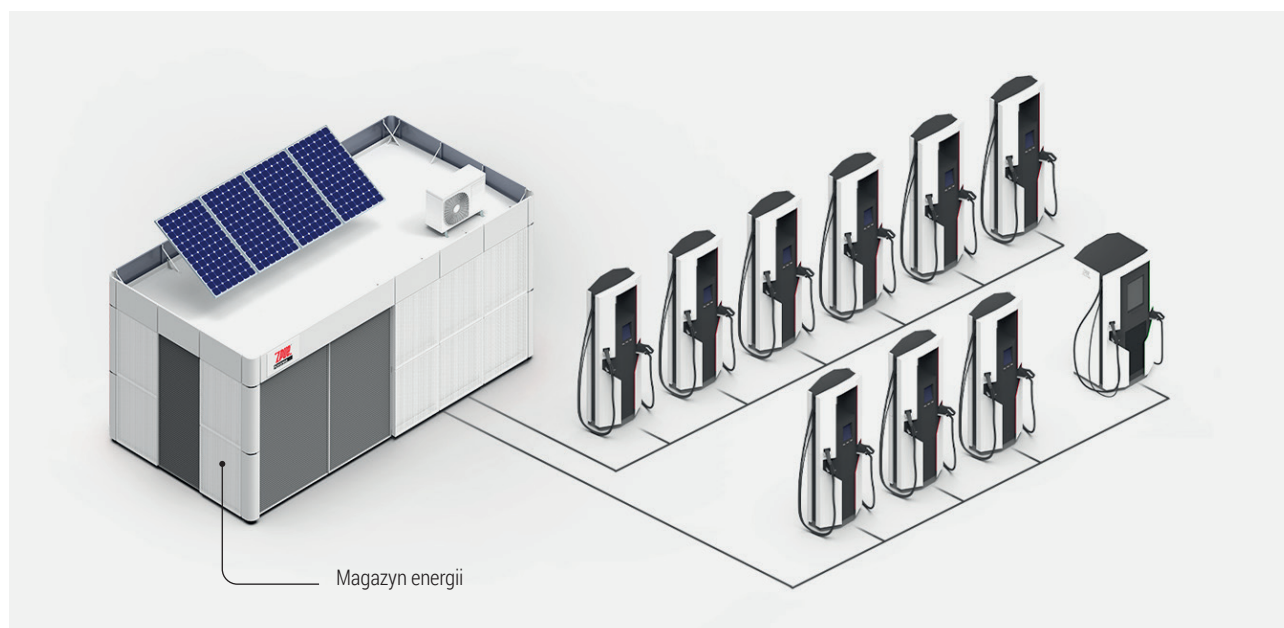
Charging station branding

Change of charging cable length, Type-2 charging socket

Precast foundation

\* – 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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