

power your future



Charging station for electric vehicles **type EV-C360 / EV-C400**

360 kW | 400 kW



The EV-C400 charging station enables electric vehicles to be charged with up to 400 kW DC power via two CCS Type 2 connectors. The unit is supplied with 400 V, 50 Hz three-phase AC voltage in TN system with a connection power of up to 428 kVA. The casing is made of powder-coated stainless steel with protection class IP54 and mechanical resistance class IK10. The efficiency of the system at rated charging parameters is greater than 94% and the content of higher harmonics in the current is less than 5%. The charging station is resistant to weather conditions. Authorisation of the charging process takes place via an RFID reader, optionally via an external application. The charging station supports the OCPP 1.6 communication protocol and is equipped with a GSM modem as standard. Operation takes place via a screen display or optionally via a charging service provider application. The charging station can be equipped with a 55-inch display for remote and independent management of advertising content.

The EV-C400 by ZPUE combines fast charging, innovation and modern design. The station is characterised by the highest quality workmanship and materials used.

Main components of the charging station:

- ↘ powder-coated stainless steel housing;
- ↘ charging cables with connectors in CCS type 2 standard;
- ↘ Number of simultaneously operating electric vehicles – two;
- ↘ 10-inch screen display for charging;
- ↘ 55" display for remote and independent management of advertising content – optional
- ↘ LED backlighting;
- ↘ RFID card reader;
- ↘ AC/DC power converters – up to 10;
- ↘ programmable DC charging controller;
- ↘ integration via OCPP 1.6 with Elocity or other software – optional;
- ↘ GSM mobile network modem;
- ↘ LTE communication module (4G) – optional;
- ↘ wireless update („Over-The-Air“) via ZPUE web portal, OCPP 1.6 optional;
- ↘ 2 mobile network communication channels, one for service and the other for communication with the operator's backend;
- ↘ MID-compliant electricity meter;
- ↘ emergency stop on the housing;
- ↘ electrical apparatus (circuit breaker, fuse disconnectors, contactors, overcurrent and differential protection, surge arresters, insulation monitoring relays).

Technical parameters of the charging station

		EV-C360 ¹⁾			EV-C400			
AC POWER SUPPLY	Voltage U _{AC}	3 x 400 V / 50 Hz						
	Protection: circuit breaker with residual current protection	3VA24 630A + RCD820, 30mA type A						
	Connection power	386 kVA			428 kVA			
	Network layout	TN-S, TN-C-S, TN-C ²⁾						
DC FAST CHARGING	Rated power	360 kW			400 kW			
	Voltage U _{DC}	280 ÷ 1000 VDC						
	Number of connectors / type	2 / CCS typ 2						
	Maximum current at the charging connector	375A (up to 500A in Boost Mode) / 500 A ⁵⁾ (liquid-cooled)						
	Power distribution between connectors	Connector 1	max 360 kW	–	200 kW	max 400 kW	–	200 kW
		Connector 2	–	max 360kW	160 kW	–	max 400 kW	200 kW
Charging cable length	4,2 m ±5% ³⁾							
GENERAL CHARACTERISTICS	Efficiency	≥94% (for output power >50%)						
	THDi	≤5%						
	Power factor (at full load)	≥0,99						
	Charging system	Mode 4						
	Communication protocol	OCPP 1.6						
	Charging authorization	RFID card / charging service provider application ⁴⁾						
	10" display	10-inch – standard						
	55" display	55" display, remote and independent management of advertising content - optional						
	Degree of protection	IP54 / IK10						
	External dimensions	880mm x 1175mm x 2050mm						
	Weight	810 (850 ⁵⁾) kg			840 (880 ⁵⁾) kg			
	Working temperature range	up -30°C to +50°C						
	Standards and norms	CE, LVD 2014/35/UE, EMC 2014/30/UE, PN EN IEC 61851 1, PN-EN 61851 23, PN EN 61851 24, PN EN 62196-1, PN EN 62196 3:2015-02, DIN SPEC 70121						

¹⁾ charging station EV-C320 possible after consultation with manufacturer

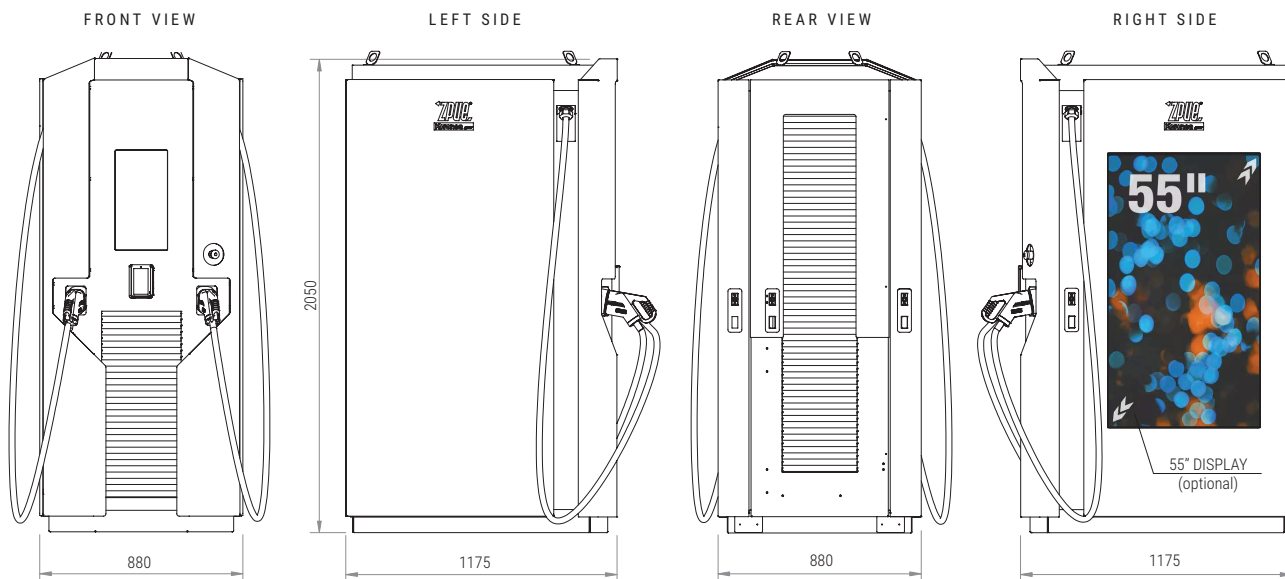
²⁾ a different network layout is possible after consultation with the manufacturer

³⁾ standard length of charging cable 4.2m±5%, other on request after consultation with manufacturer

⁴⁾ optional

⁵⁾ optional – liquid-cooled charging line

Views of the charging station



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NOTE: Due to technological progress, the manufacturer reserves the right to make technical changes without notice. Please contact the manufacturer for updates.

The authors of the study request the respected users to report their comments on errors, shortcomings or inaccuracies noted in this offer to the following address: katalog@zpue.pl.

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