VESTEL
Limitless power

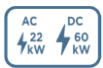**ZORLU**

Data sheet
EVC 06

Slim but yet powerful, charging two EVs simultaniously.

The VESTEL EVC 06 is making urban fast charging look good.

With up to three charging points in a solid enclosure and a small footprint it can deliver fast charging for urban areas.

www.vestel-evchargers.com

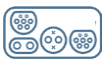# Data sheet | EVC 06

Highlights

Version: 02/2023

Charging with up to 60 kW DC and 22 kW AC

Local and remote load management

Up to 3 charging connectors on one charging station

Connection to IT backends via OCPP 1.6J

DC and AC charging of two electric vehicles in parallel

Ready for ISO 15118

Online via cellular, Wifi and Ethernet

Interaction via 10.4" touch display

Highlights

Version: 02/2023

Slim shape for ideal space management at the charging site

With only 350 mm of depth the Vestel EVC 06 can be placed also in very narrow spaces, even directly in front of a wall. This gives the charge point operator more possibilities to install fast charging stations. The clever two part design makes the EVC 06 appear even slimmer as the dark back part disappears optically in contrast to the lighter design front.

Big and clear interface for user interaction via touch screen

User interaction is key. Therefore the Vestel EVC 06 has a big 10.4" touch screen. The restistive touch technology makes it possible to use the screen even in tough weather conditions or with gloves.

Large and easy to use foiling area for your own branding

Your brand should be in focus and visible for everyone. This is why the EVC 06 has a big and easy to use foiling area on the front. Optionally you can order the product turnkey ready in your corporate design which includes a complete foiling of the product.

Technical data

Version: 02/2023

General information

Charging mode	AC, mode 3 / DC, mode 4
Number of charging points	2 - 3
Charging connector	AC: Type 2 socket, DC: CCS
Cable length	3.5 m
IT backend connection	OCPP 1.6 JSON
Authorisation	Free mode, RFID, OCPP remote
Package dimensions (HxWxD)	2000 x 950 x 590 mm

Mechanical details

Mounting type	Base mounted
Enclosure material	Metal panel
Dimensions (HxWxD)	1754 x 684 x 421 mm
Weight	280 kg

Electrical data

Max. charging output per charge point	AC: 22 kW; DC: 60 kW
Input: Nominal voltage, number of phases	400 V_{ac} ±10% , 50/60 Hz, 130 A
Output: Voltage	Single CCS: 200 - 920 V_{dc}
	Dual CCS: 200 - 500 V_{dc}
	Type 2: 400 V_{ac}
Output: Current	CCS: 200 A, Type 2: 32 A
Power factor, efficiency	> 0.98, > 95 %
Stand-by power consumption	< 100 W
Earthing system	3L+N+PE (TN,TT)
IEC Protection class	Class I
Internal protections	Residual current sensing, Insulation monitoring, Over current, Over voltage, Undervoltage, Short circuit, Over temperature, Surge Protection

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Technical data

Version: 02/2023

Connectivity

Communication interface to IT backend	Wifi, ethernet, cellular (2G/3G/4G)
Protocols for communication with IT backend	OCPP 1.6 JSON
Communication with third-party devices	Modbus TCP/IP
Authentication methods	RFID, credit card terminal (optional)
User Interface	High brightness resistive touch screen
Status indicator	Bright LEDs per charging point
Display	10.4" Color TFT LCD (4:3)

Certification

IP protection class	IP 54
Impact resistance	IK 10
Meter / German calibration law	MID meter certified, Eichrecht optional
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	IEC 61000-6-2/3, IEC62196-1/3, IEC 61851-1/23/24, ISO 15118-1/2/3, DIN 70121

Environmental conditions

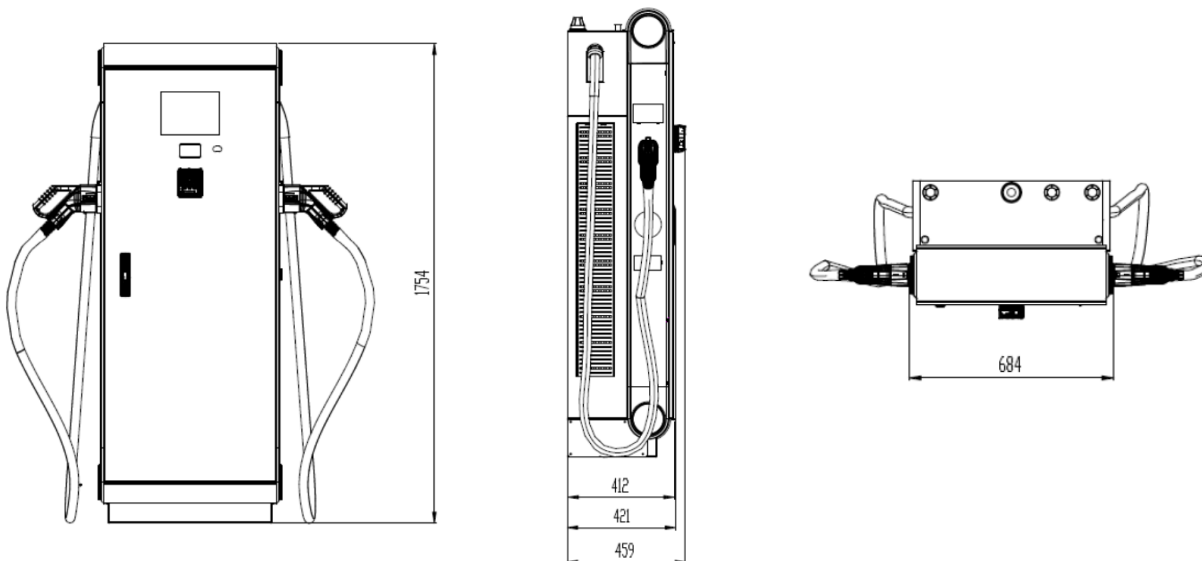|	
Environmental operating temperature	-35°C to + 50 °C (Derating is applied over + 40 °C)
Humidity	5 % - 95 % (Rel. humidity, non-cond.)
Cooling	Forced air cooling Fan
Areas of use	Internal & external areas
Operating altitude above sea level	0 - 2000 m

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Technical data

Version: 02/2023

Product versions

EVC 06	
EVC06HC - DC60CCS	2 x CCS, 1 x Type 2
EVC06HC - DC60CS	1 x CCS, 1 x Type 2
EVC06HC - DC60C	1 x CCS
EVC06HC - DC60CC	2 x CCS

Technical drawing

Suppplied installation accessories

EVC 06
M20 Steel Expansion Bolt x4
Special Spanner M50 x M40
Flange M12 Bolts x4
1 set (x2) Lock Keys
RJ45 Male Connector

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