Eve Double PG-Line DE

General

Product variants	Article No.
2x 22kW, sockets type 2, display, RFID, logo, 1 supply cable (44kW)	904462002
Packaging unit	1 ea Alfen Eve Double PG-line DE
Scope of delivery	Alfen Eve Double PG-line DE, installation manual, assembly accessories and lifting eyes

Standard/selectable settings ex works

Settings	Options
Access control	RFID
Max. charge current per charge point	32 A
Load management	Off local load management between the 2 charge points * Active load management (P1, Modbus via TCP/IP) * Smart Charging Network *
Behaviour when the charging station is offline	Accept all RFID cards Only accept locally registered RFID cards Charging not possible
Behaviour when the plug is disconnected from the electric vehicle	End charging process and unengage the plug on the charging station Stop charging process until the plug is plugged into the electric vehicle
Select Backend	ICU Connect * Many others on request *
Communication via	GPRS UTP/LAN Autodetect

Input

Input current	64A 3-phase (2x22kW)
Terminal block	N, L1, L2, L3, PE 2x 16mm^2 and 2x 25mm^2 per phase
Nominal voltage (+/-10 %)	400 V (3 x 230 V)
Nominal frequency	50 Hz
Cable diameter	5x 17mm^2 up to 5x 95mm^2
Grounding system	TN system: (PE cable) TT-System (self applied grounding electrode)
Mains switch	4-pole, 80 A, 400 V

PLEASE NOTE

The settings marked with an * may involve additional costs. The default settings are always displayed first. For further information on the optional settings, please contact your salesperson.

DISCLAIMER

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Output

Socket type per charge point	Type 2 socket, in accordance with IE62196-2, lockable
Output voltage (+/-10%)	400V (3 x 230 V)
Max. charging current	32 A per phase (22 kW per charge point)
Local load management	Required if the input power is less than the total power of the two charge points

Protection and integrated components

Protection against short circuits	32A type gG cartridge fuses, per charge point
Protection against residual currents	RCD switch 4P 40A 30mA type B, per charge point
Energy measurement	1 MID energy meter per charge point
Circuits	3-fold protection circuit, with soft-start via triacs
Overcurrent protection	Implemented in the firmware, reduction to: 105 % after 1,000 seconds; 110 % after 100 seconds; 120% after 10 seconds; 150% after 2 seconds.

Eichrecht conformity

Eichrecht conformity	Through copyright protected encryption module, tested and certified by the Physikalisch-Technische Bundesanstalt (PTB) on 19-07-2019

Equipment

Control system	Central unit for charging point control unit and communication
Charging mode according to IEC61851	Mode 3
Status display	Status LEDs on the sockets
User Interface	Graphic colour display, TFT 7" Resolution: 800x480 pixels Backlighting: 400 NITS
Card reader	RFID (NFC) ISO/IEC 14443A/B, Mifare 13.56 MHz, DESFire
Communication interfaces	RJ45, Ethernet/LAN
Backend communication	OCPP 1.5 (JSON) OCPP 1.6 (JSON)
Preset OCPP backends	ICU Connect (optional) or other operating system (on request)
Local power reduction	Modbus (Master) via TCP/IP
Inclination sensor	Vandalism and accident attempts can be signalled in the backend

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Certifications

Standards	IEC61851-1 (2017), IEC61851-22, Eichrecht conformity

Betriebsbedingungen

Ambient temperature for operation	-25°C - 40°C
Permissible relative ambient humidity	5 - 95%
Electrical safety class	I
IP degree of protection according to IEC60529	IP54
Mechanical impact resistance according to IEC62262	IK10
Standby energy consumption	Approx. 9-12W

Housing

Charging station type	Charging station
Mounting options	Directly on solid underground or on optional concrete base
Housing material	Stainless steel 304 (body), fibreglass-reinforced DCPD polyester resins (front and top hoods) Concrete plywood panel on the power supply side insulates against impacts, is fireproof, flexible in assembly parts and prevents iron filings
Housing colours	RAL 7043 (Traffic grey B) RAL 9016 (Traffic white)
Locking	Lockable lever with space for 2 lock cylinders on the power supplier side Lockable lever with room for 2 lock cylinders on the charging station operator/Alfen side
Dimensions (H x W x D)	
Energy supplier side (interior dimensions)	1226 x 250 x 163 mm
Charging point	1631 x 357 x 426 mm
Packaging	1795 x 515 x 601 mm
Weight	
Charge point	Approx. 80 kg
Incl. packaging and pallet	Approx. 90 kg

Alfen B.V.
Hefbrugweg 28 | 1332 AP Almere | Niederlande
Postfach 1042 | 1300 BA Almere | Niederlande

REMARK

* Direct exposure to sunlight may cause the internal temperature to exceed the maximum permissible levels, even when ambient temperature is within the operating temperature range. This could cause the charging station to reduce the supply of power to the charging vehicles.