

Eve Double PG-Line



General

Product variants

	Art.-Nr.
Eve Double PG-line, RFID, logo	904462002
Packaging unit	1 piece Alfen Eve Double PG-line
Contents of delivery	Alfen Eve Double PG-line, installation manual, mounting accessories and hoists

Default/Selectable factory settings

Settings

Settings	Options
Access control	RFID RFID + Giro-e *
Nominal current	Max. 32A per outlet*
Load Management	Off. Local load management between the 2 outlets* Active load management (P1, Modbus via TCP/IP) * Smart Charging Network *
Behaviour when charging station is off-line	Accept all RFID cards Accept only locally registered RFID cards Charging not possible
Behaviour when plug is unplugged from electric vehicle	End charging process and unlock plug on charging station Pause charging process until plug is inserted into electric vehicle
Backend selection	ICU Connect * Others upon request *
Internet access options	GPRS (2G) LTE (4G) Ethernet/LAN

Input

Input current	Max. 64A 3 phase
Terminal block	N, L1, L2, L3, PE: max. 25 mm ²
Rated voltage (+/- 10 %)	400 V (3 x 230 V)
Rated frequency	50 Hz
Cable diameter	30 mm to 45 mm
Grounding system	TN system (PE cable) TT system (self-applied grounding electrode)
Power switch	4-pole, 80A, 400V

Output

Socket type per outlet	Socket type 2 according to IEC62196-2, lockable
Output voltage (+/- 10 %)	400V (3 x 230 V)
Charging current	Max. 32A per phase (22 kW per outlet)
Local load management	Required if input power is less than the total power of the two charging points.

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Protection and integrated components

Short-circuit protection	Fuse type gG 32A
Residual current protection	Per outlet integrated RCD 4P 40A 30 mA type B
Energy metering	1 MID energy meter per outlet
Circuits	3-fold protection circuit, with soft-start via triacs
Overcurrent protection	Implemented in firmware, throttling to: 105% to 1000 seconds; 110 % to 100 seconds; 120% to 10 seconds; 150 % to 2 seconds;
Disconnecter	Main switch

Conformity to German Eichrecht law

Conformity to German Eichrecht law	Through proprietary encryption module, evaluated and certified by the Physikalisch-Technische Bundesanstalt (PTB) on 19-07-2019
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Features

Control	Central unit for charging point control and communication
Charging mode according to IEC61851	Mode 3
Status display	Status LEDs on sockets
User interface	Graphic colour display, TFT 7" Resolution: 800 x 480 pixels Backlight: 400 NITS
Card reader	RFID (NFC) ISO/IEC14443A/B, Mifare 13.56 MHz, DESFire
Communication interfaces	GPRS (2G), LTE (4G), Ethernet/LAN
Backend communication	OCPP 1.5 (JSON) OCPP 1.6 (JSON) OCPP 2.0 (JSON)
Preset OCPP backends	ICU Connect (optional) or other backend (upon request)
Local energy management	Modbus TCP/IP (master or slave)
Tilt sensor	Vandalism and accident attempts can be signalled in the backend

Certifications

Standards	IEC61851-1 (2017), IEC61851-22 Conformity to German Eichrecht law (B+D) TAB 4100 CE Low Voltage Directive 2014/35/EU VDE-AR-N 4100: 2019-04 with Ber 1 2019-10 DIN EN 61439-2:2012-06
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POWER TO ADAPT

Operating conditions

Ambient temperature for operation	-25°C to 40°C
Relative atmospheric humidity	5 % to 95 %
Protection class	I
IP degree of protection according to IEC60529	IP54
Mechanical impact resistance according to IEC62262	IK10
Standby power consumption	approx. 9 to 12W

Housing

Charging station type	Charging pole
Mounting options	Directly on solid ground or on optional concrete base
Housing material	304 stainless steel (body), fibreglass-reinforced DCPD polyester resins (front and top covers) Fire-resistant concrete plywood panel on power supply side for mounting a grid connection box.
Housing colours	RAL 7043 Traffic grey (body) RAL 9016 Traffic white (front)
Locking	Lockable lever with space for 2 lock cylinders on the grid operator side Lockable lever with space for 2 lock cylinders on the charging station side Lock cylinder type - half cylinder 30/10 mm
Dimensions (H x W x D)	
Power supply side (interior dimensions)	1226 x 250 x 163 mm
Charging station	1631 x 357 x 426 mm
Packaging	1795 x 515 x 601 mm
Weight	
Charging station	approx. 80 kg
Incl. packaging and pallet	approx. 90 kg

NOTES

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

Alfen B.V.

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