

ALOHA GRAVITY DC 40 kW

VEGA Chargers

VEGA Chargers is a company specialized in the design of DC fast electric vehicle charging stations.

At VEGA Chargers we work every day to make possible a more sustainable present and future in terms of emobility, for this we analyze the needs of our customers and provide flexible and scalable charging solutions for electric vehicles, starting with the conception and design, and then passing through manufacturing and distribution.

New charging concept for electric vehicles

The small-sized, wall-mounted DC fast charging station, such as ALOHA Gravity, is a new concept in the field of emobility, as they provide similar charging speeds than large charging stations, but in a reduced size.

Aloha Gravity reduces the charging time of current electric vehicles by offering **267 km of range for 1 hour of connection***. Ideal for charging times between 23 minutes and 90 minutes.

We offer

Experience and knowledge · Commercial network · Technical support · Technical training · Consultancy for emobility

Applications



Hotels and restaurants



Workplaces



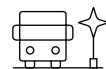
Malls and supermarkets



Car park for public or private use



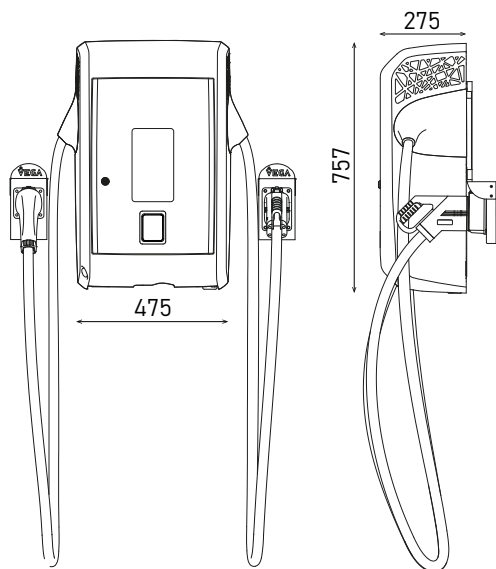
Corporate fleets and carsharing



Service vehicles and public transport





* Range calculation based on the average consumption of 15 kWh/100 km. The actual range is according to the IEC TP standard, 15 kWh per 100 km.



Characteristics

- Dynamic power balancing.
- RGB LEDs of charging status on front door.
- Super silent system.
- Autocharge.
- 10,1" TFT colour touch screen.
- Cashless payment terminal (Optional).
- Stainless steel and PUR (V0) body.
- Lateral ventilation.



		ALOHA GRAVITY (S)	ALOHA GRAVITY (D)
ELECTRICAL DATA	AC INPUT		
	Supply voltage	400 Vac ± 10% (3P+N+PE)	
	Frequency	50/60 Hz	
	Input current	61 A	
	Apparent power	42 kVA	
	Power factor	>0,99	
	Efficiency	>95% (at nominal power)	
	THDi	<5%	
	Standby consumption	<25 W	
	Earthing system	TT / TN-S	
	DC OUTPUT		
	Max. Output power	40 kW (@ V ≥ 400 Vdc)	
	Output voltage range	150- 500 Vdc (Optional 1000 Vdc)	
MECHANICAL DATA	Max. Output current	100 A	
	Output connector	CCS2	* CHAdeMO + CCS2
			
	Cable length	5 m	5 m + 5 m
	Electrical protections		
	General input	3-pole + N / font operated, switch-diconnect (non-fusible diconnect)	
	Overcurrent and shortcircuit	MCB curve 'C' for individual DC outputs and AC output	
	DC Output	Isolation Monitoring Device	
	Dimensions (H x W x D)	757 mm x 475 mm x 275 mm	
	Weight	59 kg	68 kg
	Mechanical impact protection	IK 10	
	Housing material / colour	Stainless steel and PUR (V0) / Customizable	
	Installation method	On wall or pedestal	
ENVIRONMENT	Ingression protection	IP55	
	Temperature range operation	-10°C to +55°C (-30°C TO 55°C with optional heater)	
	Temperature range storage	-35°C to +70°C	
	Humidity	5% to 95% RH non condensing	
	Cooling system	Exhaust fan	
	Operational noise level	≤ 55 dBA (1 m away in all directions)	
	Altitude (max.)	2000 m	
GENERAL	User interaction	10,1" TFT colour touch screen	
	Communication protocol	OCPP 1.6J; Modbus TCP; Modbus RTU	
	Communication interface	4G; WiFi (optional); RS485; Ethernet	
	Access and identification	RFID reader (MIFARE Classic; MIFARE DESfire EV1, EV2; NFC Forum Type 4); Internal white list; Activation pin code; Autocharge; QR code; APP	
	Payment terminal	Cashless payment terminal (optional)	
	Status charging lights	RGB LED dedicated for charging connector	
STANDARDS CERTIFICATIONS	IEC/DIN/ISO	IEC 61851-1 ed 3; IEC 61851-21-2 ed 1; IEC 61851-23 ed 1; IEC 61851-24 ed 1; IEC 62196-1; IEC 62196-2; IEC 62196-3; IEC 61000; DIN70121; ISO 15118-2:2014 ed.1; ISO 15118-3:2015 ed.1	
	EU Directives	LVD 2014/35/EU; EMC 2014/30/EU; RED 2014/53/UE	
	Mark certification	CE	

(S): Single DC output (D): Double DC output
Not simultaneous charging