

# ALOHA Gravity

## DC 40 kW Charging Station

VEGA  
CHARGERS



Hotels and  
Restaurants



Office buildings  
and workplaces



Malls and  
supermarkets



Public and private  
car parks



Corporate fleets  
and car sharing



Service vehicles and  
public transport



### Dynamic Load Management

Smartly balances the available energy

### Smart Charging

Cloud based energy management

### Autocharge

Authenticate without user intervention

### Cashless payment terminal

Payments without prior registration

### Super silent

≤ 55 dBA in 1 m away

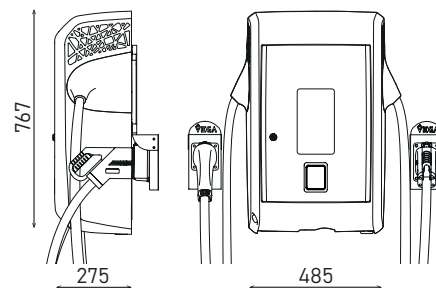
### Stainless steel and Arfinio®

Sustainable and resistant design

At **VEGA Chargers**,  
we work every  
day to make  
possible a better,  
more sustainable  
present and future.

We design flexible and scalable vehicle charging solutions; from conception, through manufacturing and distribution.

**ALOHA Gravity** stands out for its compact and robust design, while providing **up to 267 km of range in a single hour of charge\***. It is ideal for charging times between 23 and 90 minutes. It is also suitable for specific DC/DC requirements upon consultation.



\* Range calculation based on the average consumption provided by EV manufacturers according to the WLTP standard, 15 kWh per 100 km.

#### Adress:



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**ALOHA Gravity 40 kW (S)****ALOHA Gravity 40 kW (D)****AC INPUT**

Supply voltage	400 Vac $\pm$ 10% (3P+N+PE)
Frequency	50 / 60 Hz
Nominal input current	65 A
Apparent power	45 kVA
Power factor	> 0,99
Efficiency	> 95% (at nominal power)
THDi	< 5%
Standby consumption	< 13 W
Earthing system	TT / TN-S

**DC OUTPUT**

Max. output power	40 kW (@ V $\geq$ 400 Vdc)	
Max. output current	100 A	
Output voltage range	150 – 500 Vdc (Optional 150 – 1000 Vdc)	
Available Output connectors	CCS-2 	CHAdEMO + CCS-2 
Cable length	5 m*	5 m + 5 m*
Metering	DC Official meter certified (optional)	

**Electrical protections**

General input	3-pole + N, front operated, switch-disconnector (non-fusible disconnector)
Overcurrent and shortcircuit	MCB curve 'C' for internal electronic controls
DC Output	Isolation Monitoring Device and protection fuse

**Mechanical Data**

Dimensions (H x W x D)	767 mm x 485 mm x 275 mm	
Weight	59 kg	68 kg
Mechanical impact protection	IK10	
Housing material / colour	Stainless steel and PUR (V0) / Customizable	
Installation method	On wall or pedestal	

**Environment**

Ingress 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
Relative Humidity	5% to 95% non condensing
Cooling system	Exhaust fan
Operational noise level	$\leq$ 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; RS485; Ethernet
Access and identification	RFID reader (MIFARE Classic; MIFARE DESfire EV1, EV2; NFC Forum Type 4); Internal white list; Activation pin code; Autocharge
Payment terminal	Cashless payment terminal (optional)
Status charging lights	RGB LED dedicated for charging connector

**Standards and Certifications**

IEC/DIN/ISO	IEC 61851-1; IEC 61851-21-2; IEC 61851-23; IEC 61851-24; IEC 62196-1; IEC 62196-3; IEC 61000; DIN70121; ISO 15118-2; ISO 15118-3; CHAdEMO 1.2
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  
No simultaneous charging

\* Optionally available in 5 or 7 m