

ALOHA Lander Plus

DC 160 kW Charging Station



Service stations
and mobility hubs



Office buildings
and workplaces



Malls and
supermarkets



Public and private
car parks



Corporate fleets
and car sharing



Service vehicles and
public transport



AC and DC Charging

Up to 3 vehicles simultaneously

Dynamic Load Management

Smartly balances the available energy

Smart Charging

Cloud based energy management

Autocharge

Authenticate without intervention

Cashless payment terminal

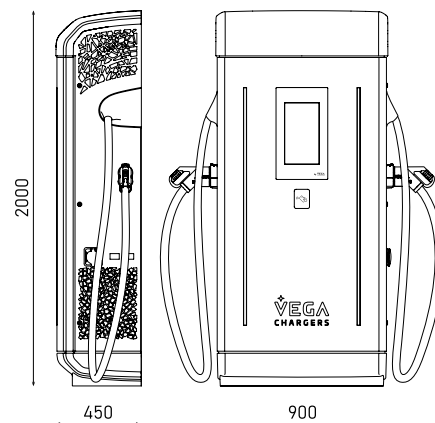
Payments without prior registration

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 Lander Plus is a fast charging station designed for users who need to charge their vehicle in a short period of time, ranging between 6 and 23 minutes. Thanks to its continuous output power, it can offer a range of **267 km for 15 minutes of connection***.

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











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	ALOHA Lander Plus 160 kW (S)	ALOHA Lander Plus 160 kW (S) + AC	ALOHA Lander Plus 160 kW (D)	ALOHA Lander Plus 160 kW (D) + AC
AC INPUT				
Supply voltage	400 Vac ± 10% (3P+N+PE)			
Frequency	50 / 60 Hz			
Nominal input current	249 A	281 A	249 A	281 A
Apparent power	173 kVA	195 kVA	173 kVA	195 kVA
Power factor	> 0,99			
Efficiency	> 95% (at nominal power)			
THDi	< 5%			
Standby consumption	< 60 W			
Earthing system	TT / TN-S			
DC OUTPUT				
Max. output power	160 kW	160 kW	single charging: 160 kW	simult. charging: 2 x 80 kW
Max. output current	250 A / 400 A*	250 A / 400 A*	250 A / 400 A*	250 A / 400 A* 2 x 200 A
Output voltage range	150 – 1000 Vdc			
Available output connectors	CCS2 	CCS2 	** CHAdeMO + CCS2 or CCS2 + CCS2  	** CHAdeMO + CCS2 or CCS2 + CCS2  
Cable length	4 m***	4 m***	4 m + 4 m***	4 m + 4 m***
Metering	DC Official meter certified (optional)			
AC OUTPUT				
Max. output power		22 kW		22 kW
Output voltage		400 / 230 Vac ±10%		400 / 230 Vac ±10%
Phase connection		(3P+N+PE)		(3P+N+PE)
Max. output current		32 A		32 A
Available output connectors		Type 2 (Socket) 		Type 2 (Socket) 
Metering	AC Official meter certified			
Electrical protections				
General input	3-pole + N, front operated, switch-disconnector (non-fusible disconnector)			
Overvoltage	Dehn 20kA 4-pole, for three-phase TT/TNS networks, Class II (IEC 61643-11)			
Overcurrent and shortcircuit	MCB curve 'C' for individual DC outputs and AC output			
Residual current	RCD 30 mA; Type A for individual DC outputs RCD 30 mA; Type A + 6 mA DC for individual AC output			
DC Output	Isolation Monitoring Device and protection fuse			
MECHANICAL DATA				
Dimensions (H x W x D)	2000 mm x 900 mm x 450 mm			
Weight	405 kg	410 kg	430 kg	435 kg
Mechanical impact protection	IK10			
Housing material / colour	Stainless steel and PUR (V0) / Customizable			
Installation method	On the ground (Anchor bolt or structural foundation) Unloading and installation by forklift or upper eyebolts			
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	≤ 60 dBA (1 m away in all directions)			
Altitude (max.)	2000 m			
User interaction	15,6" 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			
IEC/DIN/ISO	IEC 61851-1; IEC 61851-21-2; IEC 61851-23; IEC 61851-24; IEC 62196-1; IEC 62196-2; 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			

* Boost mode: Under specific temperature conditions and limited charging time.

** Max. Output current for CHAdeMO 125 A / Max. Output voltage for CHAdeMO 500 V.

*** Optionally available in 5 or 7 m

(S): Single DC output (D): Double DC output