



Lyra Mini

7 kW—DC V2G

*V2G Bidirectional
DC fast charging
Wall-Mounted*

7 kW V2G Bidirectional Charger

Intro

The 7kW V2G DC Charger, manufactured by Floox, is a compact bidirectional wallmounted charging unit designed for residential garages, office buildings, and small parking facilities. With a 7kW DC output and full Vehicle-to-Grid (V2G) capability, it enables both fast charging and energy return from the EV battery to the grid — making it a cornerstone of smart energy management and home energy storage ecosystems.



Perfect fit for:

Residential garages

Office buildings

Small parking lots

Smart energy homes

Fleet depots



DC Fast
charging



Wall mounted



V2G
Bidirectional



QR / RFID



IP 65



All-in-one
Solution



General Specifications

POWER SPECIFICATIONS	Input voltage	230 Vac
	AC Input connection	1P+N+PE - Single-phase 3-wire
	Maximum input current	40 A
	Frequency	50 / 60 Hz
	Power factor	-0,8 ~ +0,8
	Current THD	< 5 %
	DC Output voltage range	CCS2: 200 - 1000 Vdc
	Maximum output power	7 kW
	Maximum output current	23,3 A
V2G GRID INJECTION	Efficiency	≥ 94,5 %
	Grid-injection mode	DC → AC (Vehicle-to-Grid)
	Battery voltage range (DC input)	300 - 1000 Vdc
	Max DC input current	25 A
	AC output voltage range	187-276 Va
	Max apparent power output	7 kVA
	Startup / authentication	QR code scan · RFID card
	Emergency stop	Physical button (press to stop)
USER & CONTROL INTERFACE	External	Bluetooth, WIFI (standard) / 4G, Ethernet (optional)
	Internal	RS458, CAN bus
COMMUNICATIONS	Operating temperature	-25°C ~ 50°C (derating > 50°C)
	Storage temperature	-40°C ~ 75°C
	Maximum relative humidity	≤ 95% RH, non-condensed
	Altitude	≤ 2000 m
	IP/IK Level	IP65 / IK08
	Cooling	Forced air
ENVIRONMENT	Size (W x D x H)	410 x 206 x 580 mm
	Weight	41 kg
	Installation type	Wall-mounted / Floor-mounted
	Hose length	3,5 m (other lengths optionally available)
MECHANICS	Input protections	OVP, OCP, OTP, UVP, SCP
	Output protections	OCP, SCP, OVP, LVP, OTP, IMD
PROTECTIONS	Standards	GB/T 18487.1-2015 · GB/T 18487.2-2017 · GB/T 20234.3-2015 · NB/T 33001-2018
	Security	CE
	Charging interface	GB/T (DC) – Charging Mode 4, Connection C
STANDARDS & CERTIFICATIONS		