

# HYC\_50

Bidirectional 50kW (2 x 25kW) DC-charging station for EVs



## Key Features



- First 50kW wall mountable fast charger on market
- 50kW charging on one vehicle and 2 x 25kW parallel charging possible
- Continuous 150A charging current
- Best in class efficiency > 97% (\*)
- In- and outdoor installation
- Ultra low noise level < 50dBA (\*)
- V2G ready

(\*) preliminary data to be verified



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## Technical Data

SYSTEM SPECIFICATION	
Ambient	In- and outdoor installation
Working temperature	-30° to +55°C
Humidity	10% - 90% relative humidity
Max. level over sea	4.000m
Protection degree	IP 54 (or higher) (*)
IK-rating	IK10
Efficiency	97% (*)
Operating noise level	< 50dBA
GRID	
Input voltage range (l-l, rms value)	323V – 552V
Max. input current (cont., rms)	92A
Input frequency range	50Hz – 60Hz
Power factor with active PFC correction	> 0.99
DC-OUTPUT	
Output characteristics	50kW when charging one vehicle 2 x 25kW in parallel charging mode of 2 vehicles
Max. output current	150A when charging one vehicle (1 x 50kW) 75A in parallel charging mode of 2 vehicles (2 x 25kW)
Output DC voltage range	50V - 1000V
Power flow	Bidirectional (suitable for V2G)
Supported charging standards	CCS1 and CCS2 (150A) CHAdeMO (125A) GBT
USER INTERFACES	
Touch-Display	10.1" (CTP touch)
User registration	RFID reader (ISO/IEC 14443A/B, ISO/IEC 15693) Credit Card reader with QR-Code-reader (optional)
Network Connection	GSM-/CDMA-Modem 2G / 3G / 4G 10/100Base T-Ethernet WLAN
Charging infrastructure communication protocol	Open Charge Point Protocol (OCPP) 1.6J, ready for 2.0J
MECHANICAL	
Dimensions	1250 x 520 x 220
Weight	< 100kg (*)

(\*) preliminary data to be verified

## PRELIMINARY DATASHEET hypercharger 50