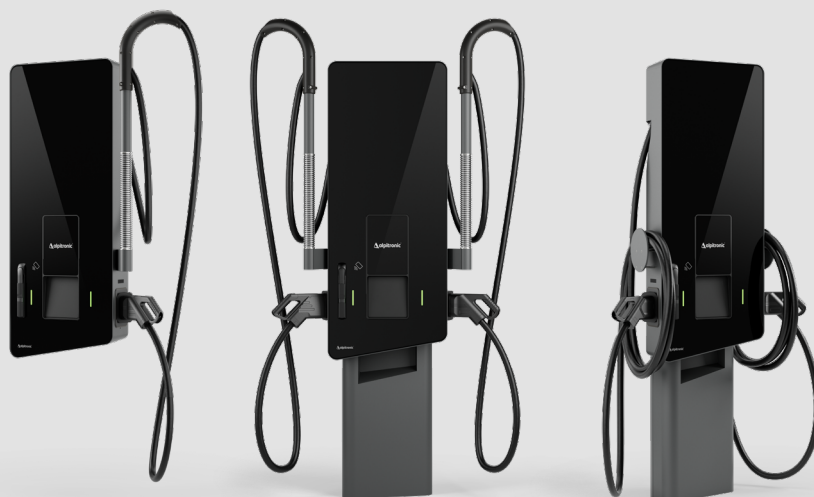


Datasheet (IEC)

HYC 50

Series 2



All-in-one System

- 50kW charging on one vehicle or 2x 25 kW simultaneous charging
- Up to 97% efficiency at full load
- EMC Class B for residential areas
- Low noise level <50 dBA (silent mode)

Output

Maximum output power	50 kW	49.9 kW (limited power version)
Charging interfaces	CCS2, CHAdeMO	
Granularity of output power	25 kW	24.95 kW (limited power version)
Output DC voltage range	150 Vdc - 1000 Vdc	
Maximum DC current per output	CCS2: 150 A (CHAdeMO available with limited configurations)	
Cable lengths	4.45 m, 7.5 m and 10 m	

Input

AC nominal voltage (RMS)	400 V (-15%/+10%)	
AC maximum input current (RMS)	90 A	
Frequency	50 Hz / 60 Hz	
Network type	Three-phase TN-C, TN-S, TN-C-S, TT	
Power factor	> 0.99 at full load	
Controllable PF range	±0.95	
THDi	< 5% at full load	
Efficiency	up to 97% at full load	
Overvoltage category	OVC III, DIN EN 60664-1	
Integrated coordinated lightning protection (SPD)	Type 1 + 2 + 3	
Standby power consumption	25 W (without payment terminal)	

HYC50 Series 2

Operating Conditions

Operating temperature	-30° up to +55°C
Altitude	≤ 4,000 m a.s.l. (For configuration with CHAdeMO cables, the max. installation height is limited to 2,000 m a.s.l.)
Storage temperature	-40°C to +55°C
Humidity (in operation, storage)	10% - 95% relative (non-condensing)
Installation	Indoor and outdoor installation
Type of installation	Wall mount or pedestal (optional foundation base in concrete)
Ingress protection	IP54
Impact protection	IK10 (not including payment terminal)
Noise level	<50 dBA (Silent mode) standard environmental conditions (20° C, 3 m distance)

Dimensions and Weight

H x W x D	1300 x 520 x 250 mm
Weight	95 - 145 kg (depending on the configuration)

User Interface

User interface	10.1" touch screen
Multilingual system	GUI in 27 languages

Remote Management

Remote management	Diagnostics, software updates
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Options

Branding	Printed design front panel
Cable management system	Spring technology for 4.45 m cables and holder for 7.5 and 10 m cables
Payment system	Optional, choose between different credit card readers
Metering	DC meter in accordance with the German Calibration Law (Eichrecht). MID Meter in accordance with MID Directive and LNE
Parametrization of noise levels	Parameters can be set for the maximum noise level for day and night operation (e.g. for use in sensitive areas)
Additional safety features	Door contact switch

Standards

DC Standard protocol (communications with the vehicle)	CCS: IEC 61851-23, ISO 15118-2, DIN 70121
EMC	IEC 61851-21-2:2018 (Class A, B)
RFID system	ISO14443A/B, ISO18092