Product data sheet

HYC200

100 kW to 200 kW DC-charging system for EVs

hypercharger
by alpitronic

values in mm

Key Features

- Up to 600 A output current per charging system
- 500 A per connector (prepared for 600 A boost) (1)
- Best in class efficiency >97% (1)
- 100 kW power stacks with 50 kW granularity for more user dedicated power sharing
- Future-proof wide ouput voltage range of 150 V to 1000 V
- Highly integrated system with integrated dynamic load management
- Parallel DC charging
- Scalable and upgradable power due to hypercharger Power-Stack concept

(1) Preliminary data to be verified

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Technical Data

SYSTEM SPECIFICATION	
DC-connection standard	CCS2 up to 500 A (prepared for 600 A boost) (1) CHAdeMO up to 200 A CCS1 (2) GB/T (2)
Ambient	In- and outdoor installation
Working temperature	-30° to +55° C (3)
Humidity	5% - 95% relative humidity (non condensing)
Protection degree	IP54
IK-rating	IK10
Efficiency	>97% (1)
GRID	
Nominal voltage (rms)	380 V / 400 V / 480 V (4)
Max. input current (cont., rms)	320 A
Frequency	50 Hz / 60 Hz
Power factor with active PFC correction	>0,99
DC-OUTPUT	
Maximum DC output power (1)	100 kW (one Power-Stack), max. 300 A 200 kW (two Power-Stacks), max. 600 A
Granularity of output power	50 kW
Output DC voltage range	150 V - 1000 V
Maximum output current	Imax: 500 A (prepared for 600 A boost) (1)
GENERAL	
DC-protocol standard	CCS1/2: SAE J1772 / EN 61851-23/DIN SPEC 70121; ISO 15118 CHAdeMO 1.2 GB/T 27930 (for automotive multicharger)
User registration	RFID reader (ISO/IEC 14443A/B, ISO/IEC 15693) Credit Card reader with QR-Code-reader (optional)
Network Connection	LTE/UMTS/GSM Modem 4G/3G/2G 10/100Base-T Ethernet
Charging infrastructure communication protocol	Open Charge Point Protocol (OCPP) 1.6 J, ready for 2.0 J
User Interface	15,6" screen, 4 buttons
MECHANICAL	
Dimensions (HxWxL)	2235 x 420 x 663 mm
Weight	325 kg up to 462 kg (1)

(1) Preliminary data to be verified (2) Only upon special request by OEMs (3) Derating tbd (4) 480 V only upon special request

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