HYC_150

75kW / 150kW fast charging system for electric vehicles

hypercharger
by alpitronic

Key Features

*Values in mm

- Benchmark current density with up to 500ADC
- Full power capability starting as low as 300V battery voltage
- Future-proof wide ouput voltage range of 150V to 1000V
- Highly integrated system in a compact design
- Parallel DC-charging possible
- Scalable and upgradable power due to hypercharger Power-Stack concept

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www.hypercharger.it
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HYC_150

75kW / 150kW fast charging System for electric vehicles

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Technical Data

System specification	
DC-connection standard	CCS2 up to 500A CHAdeMO up to 200A CCS1 (for automotive multicharger) GB/T (for automotive multicharger)
AC-connection	22kW AC-socket/cable
Ambient	In- and outdoor installation
Working temperature	-30° to +55°C
Humidity	10% - 90% relative humidity
Protection degree	IP 54
Efficiency	>94% at full power
Grid	
AC input voltages	3x400V (± 10%) / 50 Hz (± 5%)
AC input current and power (from powergrid)	233 A, 160kW at 150kW DC output power
THDI	< 5% at nominal power
Powerfactor	with active PFC correction > 0,99
DC-output	
Maximum DC output power	75kW (one Power-Stack), max. 250A 150kW (two Power-Stacks), max 500A
Output DC voltage range	150V - 1000V
Maximum output current	Imax: 250A (75kW system with uncooled cable) Imax: 500A (150kW system with active cooled cable)
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)
RFID-system	ISO/IEC 14443A/B, ISO/IEC 15693
Network connection	GSM-/CDMA-modem, 10/100Base T-Ethernet
Charging infrastructure communication protocol	Open Charge Point Protocol (OCPP) 1.6 json
User Interface	15“ screen, 4 buttons

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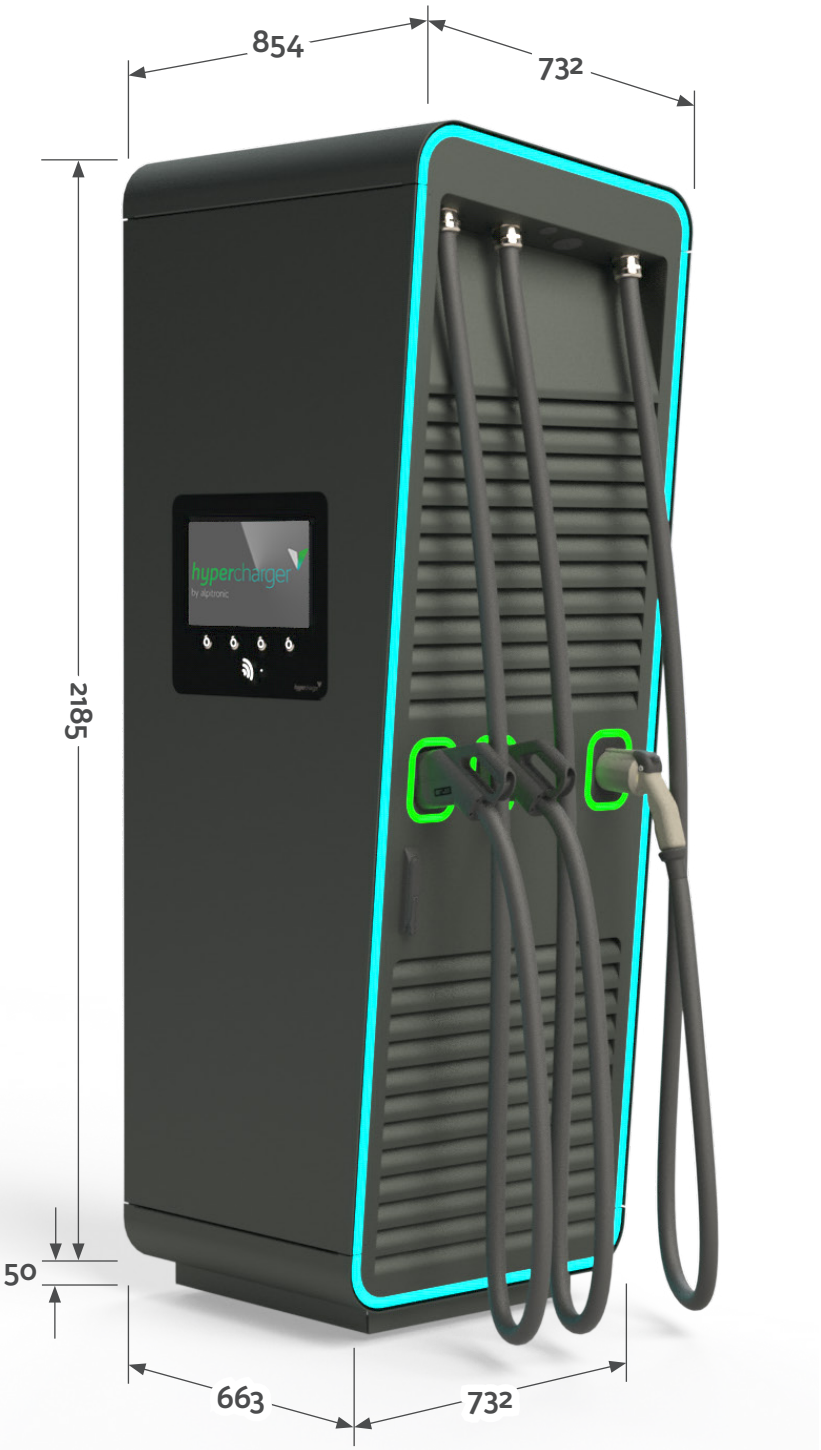
HYC_300

75kW to 300kW fast charging system for electric vehicles

hypercharger
by alpitronic

Key Features



*Values in mm

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- Future-proof wide ouput voltage range of 150V to 1000V
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HYC_300

75kW to 300kW fast charging System for electric vehicles

hypercharger
by alpitronic

Technical Data

System specification	
DC-connection standard	CCS2 up to 500A CHAdeMO up to 200A CCS1 (for automotive multicharger) GB/T (for automotive multicharger)
AC-connection	22kW AC-socket/cable
Ambient	In- and outdoor installation
Working temperature	-30° to +55°C (derating from 40°C)
Humidity	10% - 90% relative humidity
Protection degree	IP 54
Efficiency	>94% at full power
Grid	
AC input voltages	3x400V (± 10%) / 50 Hz (± 5%)
AC input current and power (from powergrid)	466 A, 160kW at 300kW DC output power
THDI	< 5% at nominal power
Powerfactor	with active PFC correction > 0,99
DC-output	
Maximum DC output power	75kW (one Power-Stack), max 500A 150kW (two Power-Stacks), max 500A 225kW (three Power-Stacks), max. 500A 300kW (four Power-Stacks), max 500A
Output DC voltage range	150V - 1000V
Maximum output current	Imax: 500A (with active cooled cable)
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)
RFID-system	ISO/IEC 14443A/B, ISO/IEC 15693
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