

Hypercharger 75
Hypercharger 150
Hypercharger 225
Hypercharger 300



All-In-One
75 kW - 300 kW
High Power
Charger



InterControl
We keep you driving

Hypercharger 75 Hypercharger 150

75kW / 150kW fast charging system for electric vehicles

hypercharger
by alpitronic

Key Features



- Benchmark current density with maximum 250ADC for the hypercharger 75 and 500ADC for the hypercharger 150
- Full power capability even at lowest vehicle battery voltage (300V)
- Future-proof wide output voltage range from 150V to 1000V
- Highly integrated system in a compact design
- Up to two vehicle outlets possible (CCS and CHAdeMO)
- Scalable power due to hypercharger power stack concept

ic InterControl
We keep you driving

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Hypercharger 75 Hypercharger 150

75kW / 150kW fast charging system for electric vehicles

Technical Data

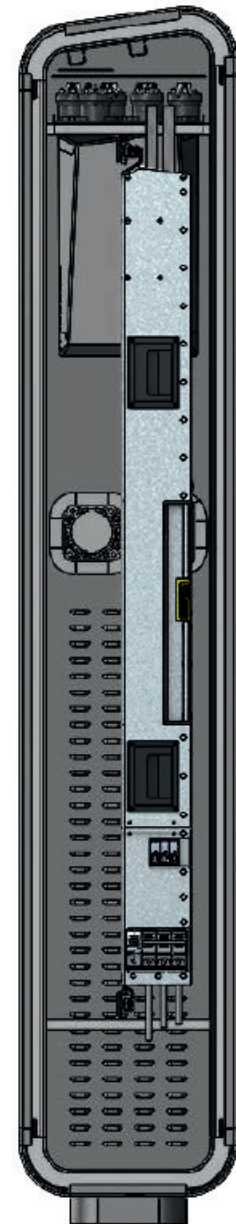
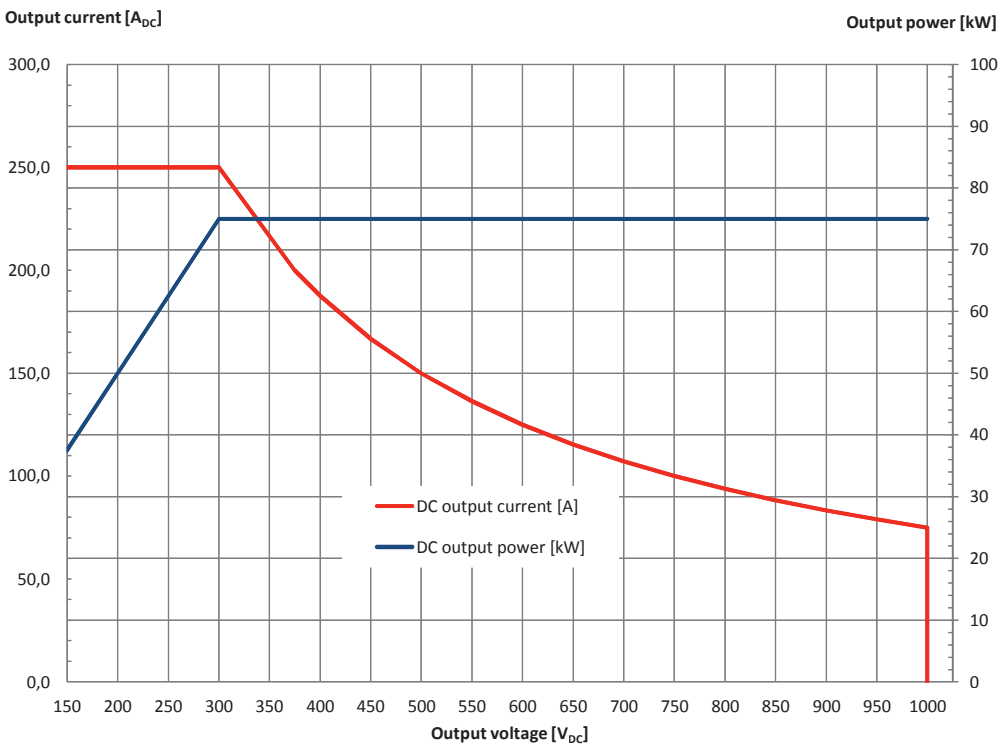
System Specification	
DC-connection standard	CCS1 or CCS2 uncooled cable acc. IEC 62196 CCS Combo2 active cooled cable acc. IEC 62196 Optional: CHAdeMO and/or 22kW AC plug
Ambient	In- and Outdoor installation
Working temperature	-30° to +55°C
Humidity	10% - 90% relative humidity
Protection degree	IP 54
Efficiency	94% @ full power
Operating noise level	< 65dBA
Grid	
AC Input voltages	3x400V (± 10%) / 50 Hz (± 5%) or 3x480V (± 10%) / 60Hz (± 5%)
AC Input current and power (from grid)	117 A, 80kW @ 75kW DC output power 233 A, 160kW @ 150kW DC output power
THDI in all operating points	< 7%
Power factor with active PFC correction	> 0,99
DC-Output	
Maximum DC output power	75kW (one stack), max. 250A 150kW (two stacks), max 500A
Output DC voltage range	150V - 1000V
Maximum output current	I _{max} : 250A (75kW system / uncooled cable + plug) I _{max} : 500A (150kW system with active cooled cable + plug)
General	
DC-protocol standard	EN 61851-23/DIN 70121; ISO 15118 Combo 2 Optional CHAdeMO 1.0
RFID-System	ISO/IEC 14443A/B, ISO/IEC 15693
Network connection	GSM-/CDMA-Modem, 10/100Base T-Ethernet

Hypercharger 75

75kW / 150kW fast charging system for electric vehicles

Performance

Housed in a sleek yet rugged enclosure, this system delivers 75 kW of output power. Its slim contours and remarkably compact footprint defy expectations: Even with all the power electronics on board, it slots neatly into the tightest of indoor and outdoor parking spaces. Compliant with all the pertinent norms and the OCPP protocol, hypercharger 75 configures to all charging standards, including CCS 1 and 2, CHAdeMO and GBT. Its power unit delivers 250 A of continuous maximum output current even at 300 V (empty battery) to make charging an exercise in speed. An optional AC plug is available, and a second power stack may be retrofitted to upgrade the system to 150 kW in a matter of minutes.

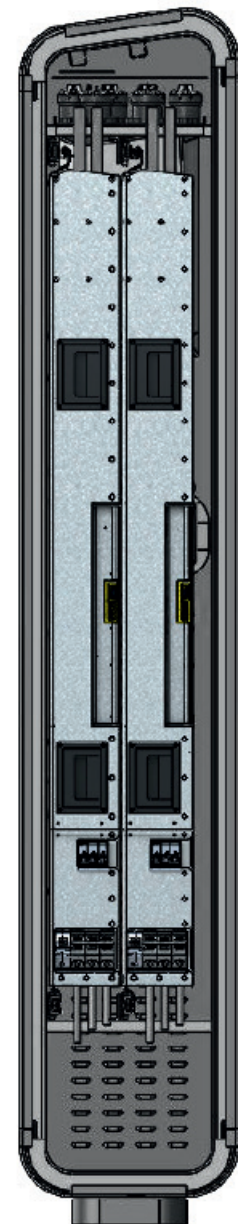
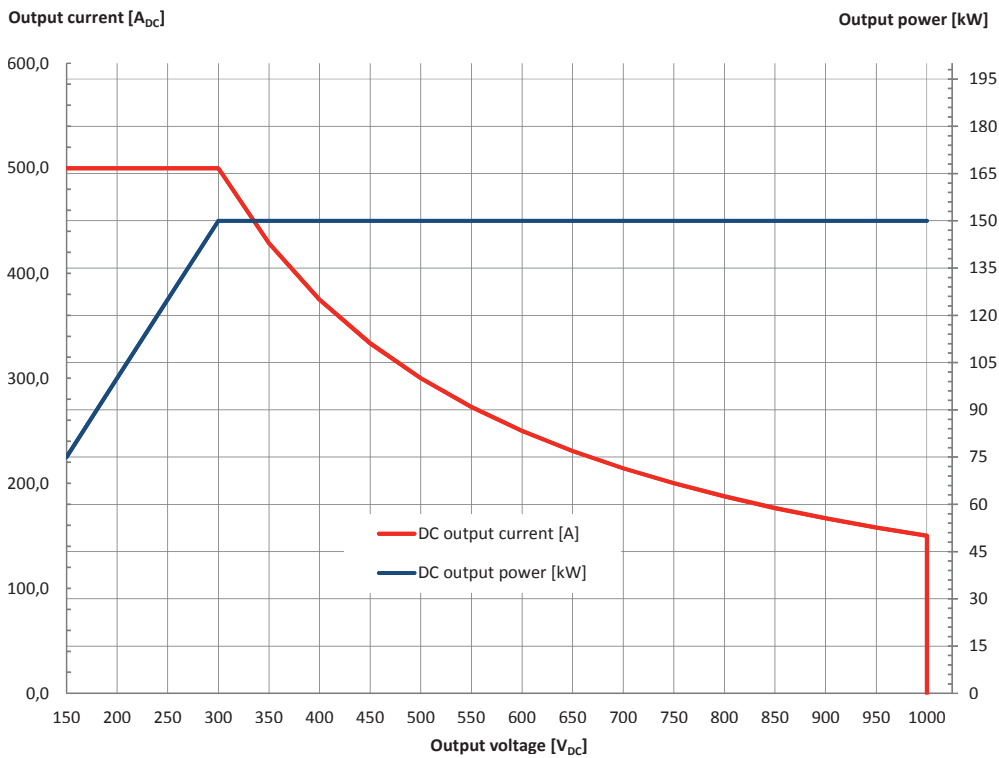


Hypercharger 150

75kW / 150kW fast charging system for electric vehicles

Performance

Rated for 150 kW, this system delivers best-in-class power density. And all that power comes packed in a trim-but-tough housing with a very petit footprint. hypercharger 150 readily configures to all charging standards, including CCS 1 and 2, CHAdeMO and GBT, and complies with all the pertinent norms and the OCPP protocol. With a power unit that delivers 500 A of continuous maximum output current even at 300 V (empty battery), its ultra fast performance certainly lives up to the promise of its name. Service access couldn't be any easier: Simply open the rear panel.



Hypercharger 75 Hypercharger 150

75kW / 150kW fast charging system for electric vehicles

Nomenclature

HYC _ aaa _ DCO bb _ C xx _ AC yy _ H zz

HYC

Product Name

- HYC » hypercharger

aaa

Power Rating

- 075 » 75kW hypercharger
- 150 » 150kW hypercharger
- 225 » 225kW hypercharger
- 300 » 300kW hypercharger

DCO bb

DC Outlets

- DCO 00 » CCS Combo 2 uncooled 200A cable
- DCO 01 » CCS Combo 2 uncooled 200A and CHAdeMO uncooled 125A cable
- DCO 02 » CHAdeMO uncooled 125A cable
- DCO 03 » 2 x CCS Combo 2 uncooled 200A cable
- DCO 04 » 2 x CHAdeMO uncooled 125A cable

C xx

Active cooled CCS cable

- C 00 » no active cooled CCS cable
- C 01 » 1 x active cooled cable instead of uncooled
- C 02 » 2 x active cooled cable instead of uncooled

AC yy

AC Socket

- AC 00 » no Socket
- AC 01 » additional 22kW / 32A AC Socket

H zz

Housing option for HYC 75 or HYC 150

- H 00 » hypercharger in small housing (standard)
- H 01 » hypercharger 75 or hypercharger 150 in large housing

Hypercharger 225 Hypercharger 300

225kW / 300kW fast charging system for electric vehicles

hypercharger
by alpitronic

Key Features



- Benchmark current density with maximum 700ADC for (cable limitation 500A currently)
- Future-proof wide output voltage range from 150V to 1000V
- Highly integrated system in a compact design
- Up to two vehicle outlets possible (CCS and CHAdeMO)
- Scalable power due to hypercharger power stack concept

Hypercharger 225 Hypercharger 300

225kW / 300kW fast charging system for electric vehicles

Technical Data

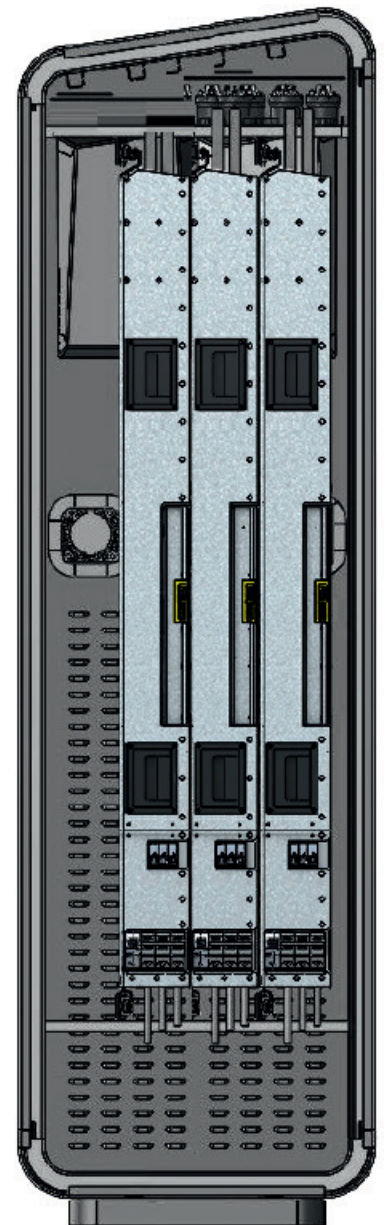
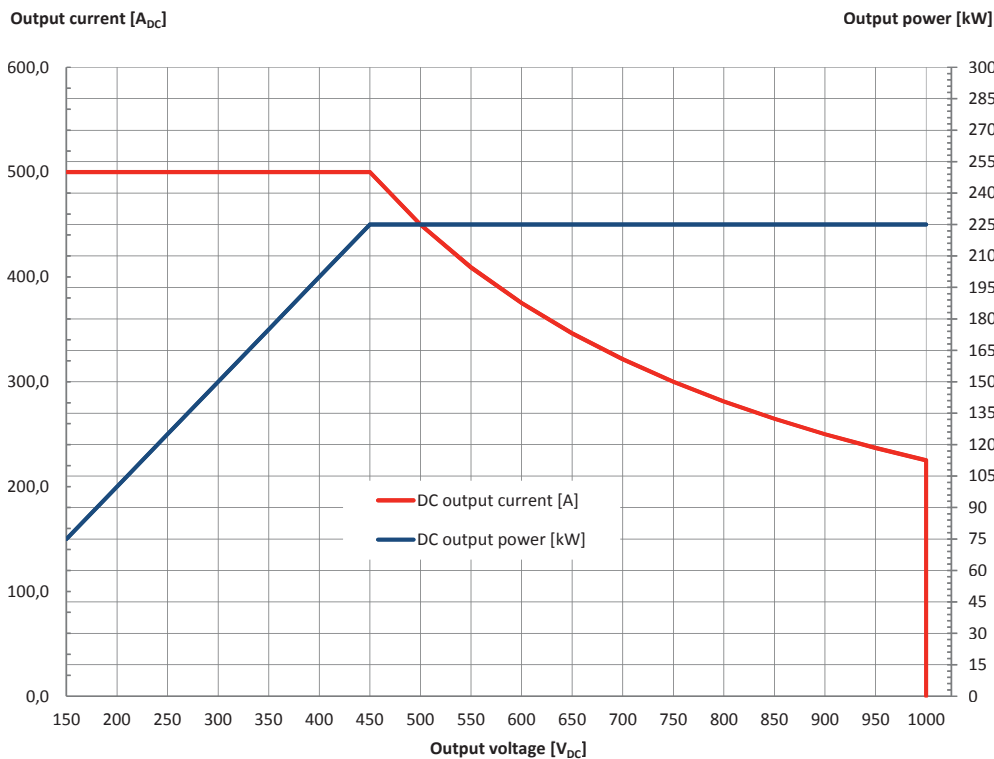
System Specification	
DC-connection standard	CCS1 or CCS2 uncooled cable acc. IEC 62196 CCS Combo2 active cooled cable acc. IEC 62196 Optional: CHAdeMO and/or 22kW AC plug
Ambient	In- and Outdoor installation
Working temperature	-30° to +55°C
Humidity	10% - 90% relative humidity
Protection degree	IP 54
Efficiency	94% @ full power
Operating noise level	< 65dBA
Grid	
AC Input voltages	3x400V (± 10%) / 50 Hz (± 5%) or 3x480V (± 10%) / 60Hz (± 5%)
AC Input current and power (from grid)	352 A, 240kW @ 225kW DC output power 466 A, 320kW @ 300kW DC output power
THDI in all operating points	< 7%
Power factor with active PFC correction	> 0,99
DC-Output	
Maximum DC output power	255kW (three stack), max. 500A 300kW (four stacks), max 500A
Output DC voltage range	150V - 1000V
Maximum output current	I _{max} : 500A (with active cooled cable + plug)
General	
DC-protocol standard	EN 61851-23/DIN 70121; ISO 15118 Combo 2 Optional CHAdeMO 1.0
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
User Interface	15" screen 15" touch screen display (optional)

Hypercharger 225

225kW / 300kW fast charging system for electric vehicles

Performance

With a power rating of 225 kW, this system comes with a housing offering an upgrade to 300kW at a later stage. It provides unrivalled current capability of more than 600A limited by the current cable technology and the overall power rating. It configures to all charging standards, including CCS 1 and 2, CHAdeMO and GBT, and complies with all the norms and the OCPP protocol standards. Its ultra fast performance awaits the EVs which can cope with the ability.

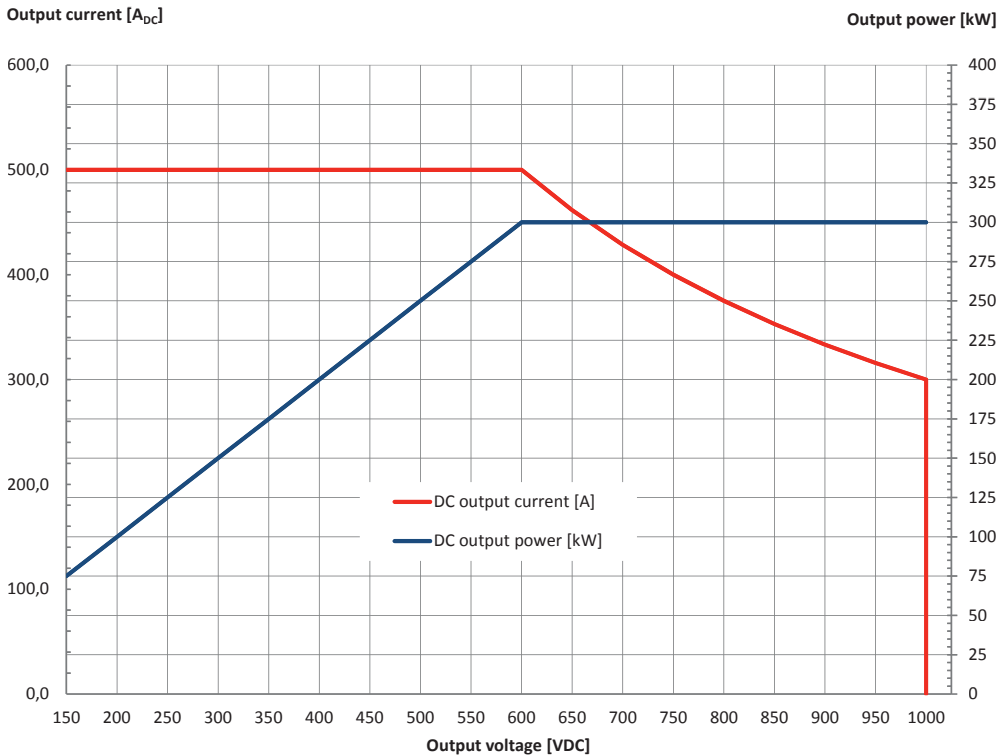


Hypercharger 300

225kW / 300kW fast charging system for electric vehicles

Performance

Here it comes. Our best performance device is the hypercharger 300 offering 300kW at the full temperature range and up to 350kW when temperature is derated to +30°C ambient. More than 700A could be delivered, limited only by the available cable and connector technology. The systems amazing power density – integrating all of power electronics and interfaces - enables an integration of such charging systems into critical narrow parking slot situations. The finest art of hyper-fast-charging. Modern and modular by design.



Hypercharger 225 Hypercharger 300

225kW / 300kW fast charging system for electric vehicles

Nomenclature

HYC _ aaa _ DCO bb _ C xx _ AC yy _ H zz

HYC

Product Name

- HYC » hypercharger

aaa

Power Rating

- 075 » 75kW hypercharger
- 150 » 150kW hypercharger
- 225 » 225kW hypercharger
- 300 » 300kW hypercharger

DCO bb

DC Outlets

- DCO 00 » CCS Combo 2 uncooled 200A cable
- DCO 01 » CCS Combo 2 uncooled 200A and CHAdeMO uncooled 125A cable
- DCO 02 » CHAdeMO uncooled 125A cable
- DCO 03 » 2 x CCS Combo 2 uncooled 200A cable
- DCO 04 » 2 x CHAdeMO uncooled 125A cable

C xx

Active cooled CCS cable

- C 00 » no active cooled CCS cable
- C 01 » 1 x active cooled cable instead of uncooled
- C 02 » 2 x active cooled cable instead of uncooled

AC yy

AC Socket

- AC 00 » no Socket
- AC 01 » additional 22kW / 32A AC Socket

H zz

Housing option for HYC 75 or HYC 150

- H 00 » hypercharger in small housing (standard)
- H 01 » hypercharger 75 or hypercharger 150 in large housing

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Hypercharger 300



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