

JOINON I-ON HYPER  
GWJ9502R (STAND ALONE version)  
GWJ9502W (CONNECTED version)\*

300kW fast charging system for electric vehicles

Key Features



- Benchmark current density with maximum 500ADC
- Future-proof wide output voltage range from 150V to 1000V
- Highly integrated system in a compact design
- **Three** vehicle outlets  
2XCCS and CHAdeMO

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## Technical Data

System Specification	
DC-connection standard	2XCCS Combo2 IEC 62196 CHAdeMO
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)	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	300kW (four stacks), max 500A
Output DC voltage range	150V - 1000V
Maximum output current	I <sub>max</sub> : 500A
General	
DC-protocol standard	EN 61851-23/DIN 70121; ISO 15118 Combo 2 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)

\*The CONNECTED version includes the connection to the JOINON cloud for the charging point management and real time monitoring.

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### 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.

