

Technical description (High Power Charging Station)

Input voltage supply	3-phase, 400V AC ($\pm 15\%$), 50/60 Hz ($\pm 5\%$), $\cos \varphi = 0.95$ or more
DC output range	DC 50 – 500 V, DC 0 – 125 A, maximum power 50 kW Ripple content: 5 % or below
AC output range	1-3 phase 230/400 V, up to 80 A, others possible
Possible connectors	According to IEC 62196
Communication	According to IEC 61851 (CAN2.0B, ISO11898, etc.)

Electrical design of DC part according to CHAdeMO-Standard

Vehicle to Grid

Maximum Power	Depends on battery voltage, up to 50 kW
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General Information

Protection system	Power supply released on occurrence of ground faults and short circuits. In accordance to existing standards (DIN VDE 0100)
Conversion efficiency	>90% (including auxiliary loss)
Noise	64dB (1m around; 1m height)
Grid connection	According to IEC 61000, EN 50160, ...

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