



WILLBERT Amber I

The next generation DC charger for electric vehicles

- ⚡ Industry best efficiency of 97% thanks to Silicon Carbide components
- ⚡ 25 - 150 kW modular standalone systems
- ⚡ Industry leading Power to Volume ratio
- ⚡ Possibility to charge two cars at the same with customer specified combination of charging protocols
- ⚡ Dynamic Power Allocation of 25 kW Power Modules between two charging plugs
- ⚡ Reliable, forced-air cooling system, plus completely sealed of power electronics against dust and dirt particles
- ⚡ Attractive and functional design enhancing customer brand recognition



Input	
AC Connection	3P + N + PE
AC Voltage	400 VAC +/- 10%
Frequency	50-60 Hz
Nominal Current	250 A max
Efficiency	97 %
Power Factor	0.99
Output	
DC Output Voltage Range	200 - 500 V 200 - 920 V (optional)*
Maximum Charging Current	375 A
Maximum Charging Power	150 kW
CCS Cable and Connector Rating Options	250 A, 300 A** , 500 A
CCS Compliance	IEC 61851-23 / -24, IEC 62196-3, DIN 70121
CHAdeMO Cable and Connector Rating	125 A
CHAdeMO Compliance	IEC 61851-23 / -24, JEVS G 105, Rev. 1.2 compliant
Cables Length	3.5 m each
Protection	Overcurrent protection, Overvoltage protection, Short circuit protection, Residual current protection, Undervoltage protection, Insulation monitoring, Ground fault protection
User Interface and Control	
Display	12" colour display with touch screen
Push Button	1 Emergency stop button
Local Authentication	RFID
Network Interface	Ethernet, Cellular (3G, 4G), Wi-Fi
Communication Protocol	OCPP 1.6
General	
Operating Temperature	-25°C to +50°C
Storage Temperature	-40°C to +80°C
Humidity	< 95% relative humidity, non condensing
Ingress Protection	IP54
Enclosure Protection	IK10
Weight	520 kg
Cooling	Forced air
Compliance	Low Voltage Directive 2014/35/EU, IEC 61851-1, IEC 61851-23, IEC 61439-7

* In high-voltage mode charger has a granularity of 50 kW instead of 25 kW

** 300 A CCS cable can exceed rated current for a limited period of time