



DC120

Specifications

GENERAL CHARACTERISTICS

Reference number	80120102
Dimension H x W x D (mm)	1736 mm x 825 mm x 419 mm
Casing material	Steel 2,2 mm
Standard colour	Body: Ral 9016 / Cover: Ral 9016
Steel treatment	Anti-corrosion (KTL) and powder coating
Weight (kg)	285 kg
Number of charging points	1
Cable	CCS2

ELECTRICAL CHARACTERISTICS

AC input voltage	3 x 400VAC + N \pm 10%
AC input current and power (line-side)	180A at 120 kW DC output power
AC input Frequency (fn)	50Hz
DC output power range	1 - 120 kW
DC output voltage range	200 - 1000 Vdc
DC output current range	0 - 320A
DC output voltage stabilized accuracy	$\leq \pm 0.5\%$
DC output current stabilized accuracy	$\leq \pm 1\%$
Efficiency	> 95% @full charge
THDi (Total harmonic distortion)	< 5% (load 50% to 100%)
Power factor	> 0.99 (load 100%); > 0.98 (load 50% to 100%)
Mains type	TN-C, TN-S, TN-C-S or TT
Impulse voltage (Uimp)	4kV
Insulation voltage (Ui)	230V single-phase 500V three-phase
Integrated protection system	Fuse XXXA + Each PSU MCB 80A Curve C & RCD 63 Type B
Conditional short-circuit	6000A IEC/EN 60898-1 10kA IEC/EN 60947-2
Allowable thermal stress in Short Circuit	16 000 A ² s
Integrated surge protection	Not included
Standby consumption (W)	≤ 62 W
Connection to the mains	Phases/Neutral/Earth, rigid cable or soft cable with ferule, 16 to 50 mm ² , screw terminals H07 V R/U
Type of load	Mode 4 charging terminal

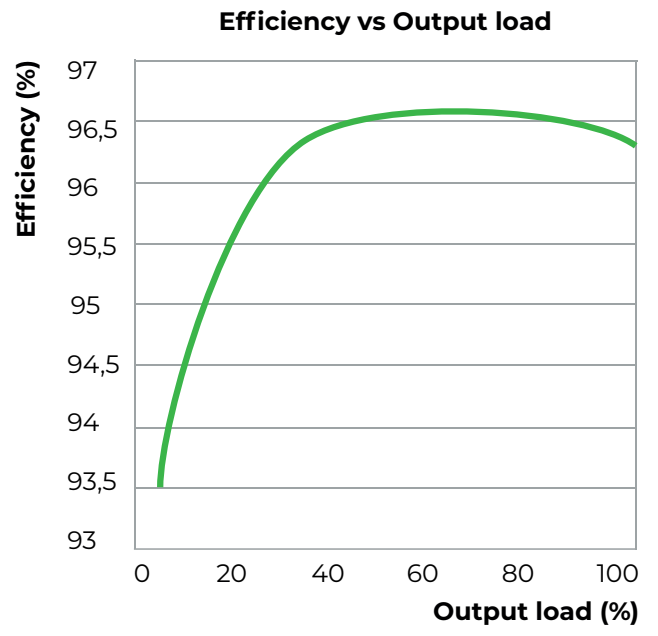
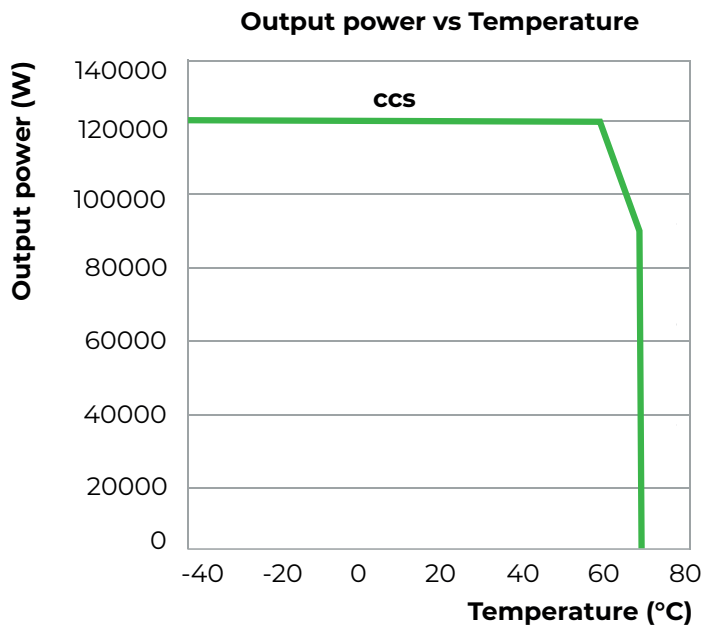
Vehicle connection Mode 4 attache cable connector	Use of extension and adapter prohibited. 3,5m straight
AC meter	Not included
DC meter	Not included
Back office protocol	OCPP 1.6 Json
Positioning	GPS
Connectivity Ethernet	RJ45 connector

ENVIRONMENT

Operating temperature	-25°C / +50°C
Storage temperature	-25°C / + 80°C
Relative humidity	0 to 90% without condensation
Protection rating	IP 54 (IEC 60529), IK 10 (EN 62262) Plugged in or not
Vandalism resistance	IK 10
Noise level	< 72 dB at 1m at 20° C, at full charging
Product	IEC 61851-1, IEC TS 61439-7 (AEVCS), IEC 61851-23, IEC 62477-1, IEC 61439-1
DC standard protocol (communications with the vehicle)	CCS2: IEC 61851-23 / DIN SPEC 70121
Installation	Interior or exterior, limited access zone, intended for use by ordinary persons (DBO), assembly in cabinet (wall mounted), Pollution Degree 3, TN-C, TN-S, TN-C-S or TT compatible earthing system. In the event of an IT earthing system, this can be changed locally by adding an isolating transformer.
Electrical safety	Class 1 IEC 61140
Eichrecht conform	No

ELECTROMAGNETIC COMPATIBILITY

European standards	Low Voltage Directive 2014 / 35EU / EMC Directive: 2014 / 30 / EU
Radio technology type	GSM 2G/3G/4G, GPRS, RFID
Suitable charging cards	Mifare, Ntag and iCODE SLI cards (more info)





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