



DC30

Specifications

GENERAL CHARACTERISTICS

Reference number	80030042 / 80030008 / 80030043 / 80030006
Dimension H x W x D (mm)	710 mm x 480 mm x 225 mm
Casing material	Steel 2,2 mm
Standard colour	Body: Ral 7011 / Cover: Ral 9016
Steel treatment	Anti-corrosion (KTL) and powder coating
Weight (kg)	57 kg
Number of charging points	1
Cable	CCS

ELECTRICAL CHARACTERISTICS

AC input voltage	3 x 400VAC + N $\pm$ 10%
AC input current and power (line-side)	45A at 30 kW DC output power
AC input Frequency (fn)	50Hz
DC output power range	1 - 30 kW
DC output voltage range	200 - 1000 Vdc
DC output current range	0 - 90A
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	RCD 63A 30mA Type B
Conditional short-circuit	Not included
Allowable thermal stress in Short Circuit	16 000 A²s
Integrated surge protection	Not included
Standby consumption (W)	$\leq 30W$
Connection to the mains	Phase/Neutral/Earth, rigid cable or soft cable with ferule, 2.5 to 16 mm², screw terminals H07 V R/U
Type of load	Mode 4 charging terminal

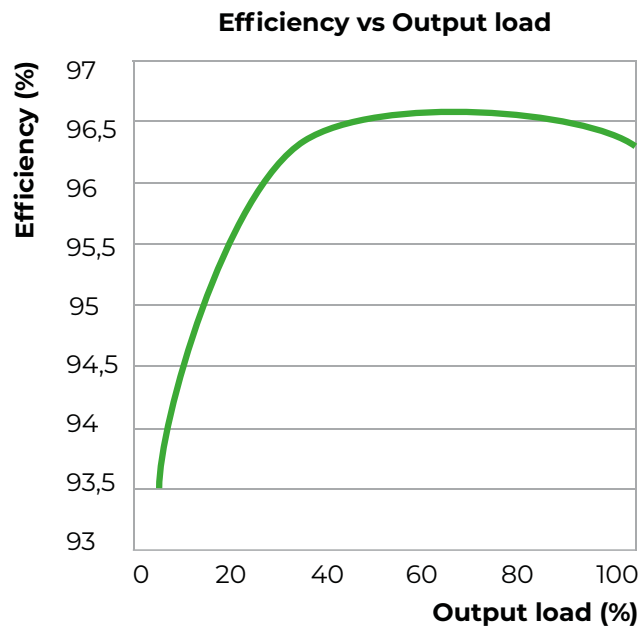
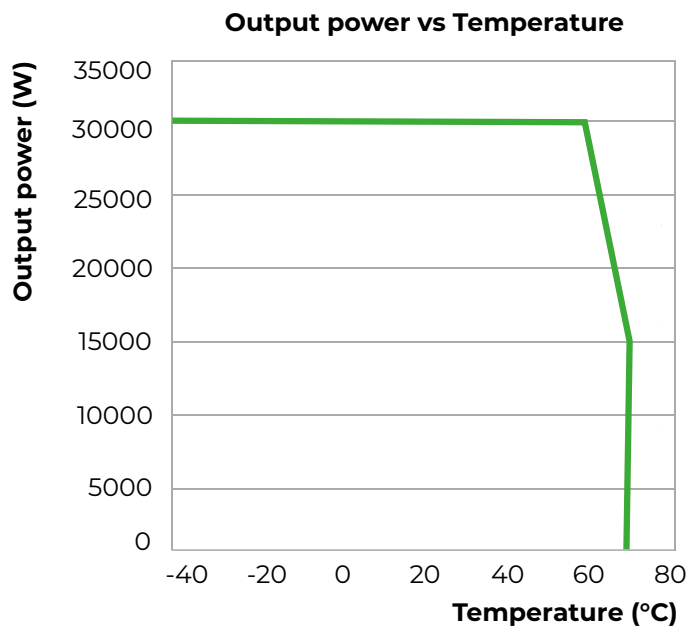
Vehicle connection Mode 4 attache cable connector	Use of extension and adapter prohibited. 80030042 / 80030008 / 80030043 / 80030006: 3m straight 150A CCS2
AC meter	Not included
DC meter	Not included
Back office protocol	OCPP 1.6 json
Positioning	GPS
Connectivity Ethernet	RJ45 connector

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	< 68 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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