



CHARGE THE FUTURE

Datasheet
CHIMERO 180

KREISEL 



CHIMERO 180 Datasheet

BATTERY INTEGRATED CHARGER FOR DC FAST CHARGING



INPUT

Main types	3 phases + PE
Input voltage	400V _{RMS} (L-L) ± 10%
Frequency	50 Hz
Rated current	Max. 100A _{RMS}
Nominal current	87 A _{RMS}
Power factor	0.99
Mains terminal	Terminal blocks
Surge protection	T1/T2
Protective class	Class I (protective earth connection)
Over voltage category	OVC III, DIN EN 60664-1
Standby power consumption	260W @20°C



USER INTERFACE

Display	31.5" multi-touchscreen Full-HD
Authentication (Direct pay/w.o)	RFID
(Payment)terminal	Terminal with PIN pad Direct payment function (optional)



INTEGRATED BATTERY

Energy	115 kWh (nominal)
Continuous output power battery	120kW
Technology	Patented immersion cooling technology with highest propagation safety Li-ion 21700
Thermal system	Integrated thermal management unit for cooling & heating
Battery compliance	IEC 62619 IEC 62620 IEC 62933-5-2 (parts) UN38.3



GENERAL

Dimension overall	(H x W x D) 2364 mm x 1102 mm x 1518 mm
Weight	1,976 kg
Protection degree	IP54
Impact resistance	IK10 (payment terminal IK09)
Housing material	V2A steel - powder coated (RAL 9016/ RAL 7016)
Environmental condition in operation	-20°C to +40°C
Operating height	<2000m (>1000m derating)
Humidity (operation)	0% - 95% (non - condensing)

KREISEL



OUTPUT

DC output voltage range	150 Vdc - 1000 Vdc
Maximum output power	180 kW @ nominal current
Smart simultaneous charging	Max. 2 x 90 kW or dynamic power allocation (optional)
Cable length	~5m
Cable/connector type	Liquid cooled cable / CCS2 (max. 400A)



COMMUNICATION/CONNECTION

Network Connection (OCCP)	4G/3G
Network Connection (KE-Cloud)	4G/3G
Communication protocol	OCCP 1.6j or 2.0.1
Network protocol (external EMS)	Modbus TCP (on request)



SYSTEM

Certification	CE, German Eichrecht
Installation location	Outdoor
Type of installation	Floor mounted
Noise emissions	<76 dB(A) at 1m distance @22°C
System compliance	IEC 61851-1 IEC 61851-21-2 IEC 61851-23 IEC 61851-24 EN 300330
Efficiency	>81%



CONFIGURATION OPTIONS

Dynamic power allocation	Smart dynamically allocation of power modules and distribution of charging power to charging ports
Direct payment (Ad-hoc)	Use of credit and debit cards
Remote management (KE-Cloud)	Remote access for monitoring, diagnostics, calibration, software updates, maintenance, management, support, data analysis
Cable management	Coming 2024
Modbus TCP	For external Energy Management System (EMS) (on request)



TRANSPORTATION

Transport packaging (H x W x D)	~2460 mm x 1300 mm x 1700 mm
--	------------------------------

TECHNICAL FACTS AND FEATURES CAN CHANGE WITHOUT NOTICE

CHIMERO 180 | Datasheet - 2024