- Highly efficient thanks to SiC semiconductors
- 22 kW charging power: Upscale to 176 kW charging power by master & slave operation
- Compatible with various battery types, AC wallboxes and DC charging stations
- Up to 850 VDC charging voltage
- 3-phase and single phase inlet
- Liquid cooling
- Wide temperature range from -30°C to +60°C

REFUdrive

OBC 22K

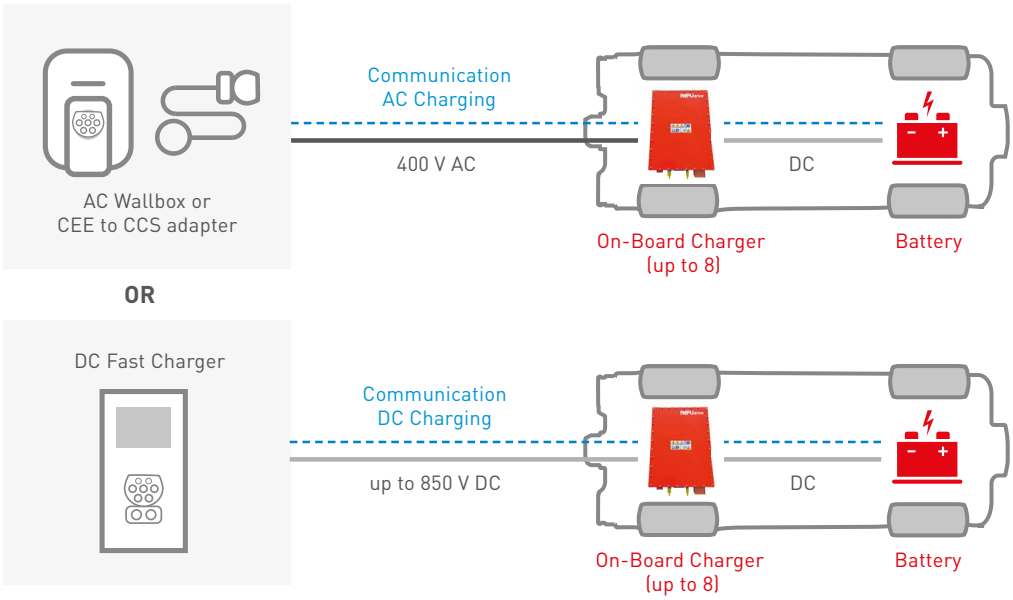
Compact and efficient component for high-voltage charging

www.refu-drive.com

+ Charging voltage up to 850 Volt

TECHNICAL DATA	OBC 22K-450	OBC 22K-800	OBC 22K-850
			
POWER DATA (per charger)			
AC voltage range 3-phase	360 – 480 V		
Max. AC phase current	32 A		
AC frequency [+/- 1%]	45 – 65 Hz		
Power factor [3-phase operation]	> 99 %		
Starting inrush current	< 50 A		
DC voltage range	200 – 450 V	420 – 800 V	550 – 850 V
DC operating voltage	9 – 32 V		
Max. charging power [3-phase input]	22 kW		
Max. charging power [1-phase input]	6.5 kW		
Max. DC charging current [3-phase input]	70 A	40 A	32 A
Charging mode	CCCV/CPCV		
Efficiency	> 96 %		
Ambient temperature	-30 °C to +60 °C		
Installation height	3 000 m (without derating)		
MECHANICAL DATA			
Dimensions w/o connectors [L × W × H]	~ 460 × 348 × 96 mm		
Dimensions incl. connectors [L × W × H]	~ 494 × 348 × 96 mm		
Weight	16 kg		
Protection class	IP6K9K		
Type of cooling	Liquid		
GENERAL DATA			
Interface	SAE J1939		
Electromagnetic compatibility	IEC 61851-21-1, 2014/30/EU, ECE R10		
Certification	CE, cURus, EAC, CCC, IEC 62109, EN 61851-1:2011, 2014/35/EU, ISO 16750-3, LV124, M-04, Profile D, ISO 16750-4		
PLC option on request	EN 61851-24, ISO 15118, DIN SPEC 70121		

OBC Charging



+ APPLICATIONS

- Non-road mobile machinery (NRMM)
- Construction equipment
- Commercial vehicles
- Public transportation
- Municipal vehicles

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