



BRAKE CHOPPER

- + Specifically for electrical braking, DC-link safety, and against overvoltage
- + IP6k9k and liquid cooling
- + Continuously adjustment of the braking power
- + Desired values can be specified over CAN bus incl. specific power setpoint

REFUdrive

RPCS 730-150K-BC

Electric brake chopper up to 300 kW

www.refu-drive.com



POWER DATA

DC input voltage	300 – 850 V
Min. chopper resistor at max. input voltage 750 V	1.5 Ω
Min. chopper resistor at max. input voltage 850 V	2.4 Ω
Chopper max. current for 2 s	357 A
Chopper average current	51 A
Chopper max. power for 1 s	300 kW
Chopper max. power for 2 s	267 kW
Chopper average power	40 kW
Max. duty-cycle	2 s ON 12 s OFF
Control supply voltage	19.2 – 30 V
Ambient temperature	-25 to 85 °C
Coolant temperature	-25 to 55 °C

CONTROL HARDWARE

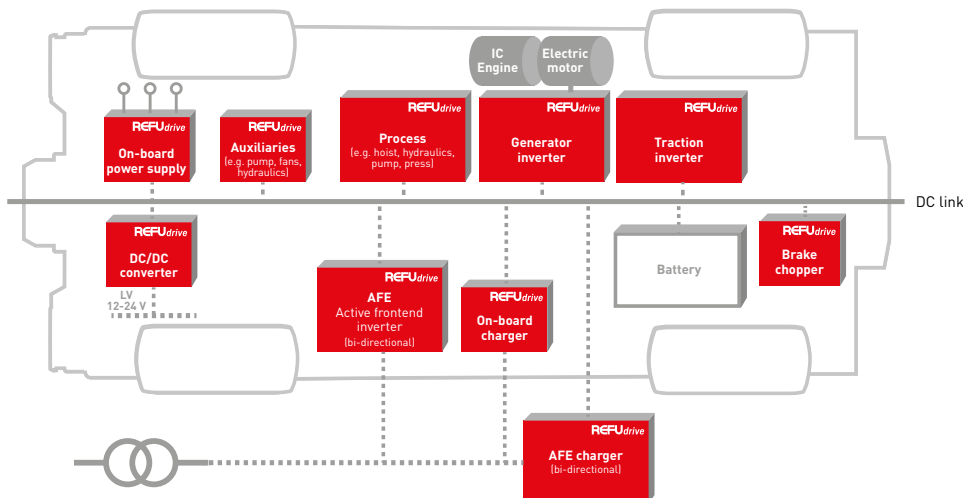
Analog I/O	1x IN (± 10 V or ± 20 mA) and 1x OUT (± 5 V, max. 5 mA)
Digital I/O	4x IN / 2x OUT / 4x IN/OUT
Service interface	RS485
Communication interface	CANopen / SAE J1939
Motor temperature control	PTC, PT1000, KTY, NTC10K
Encoder system	Resolver, HTL, TTL, sine/cosine encoder
Resolver input voltage	7 V _{rms}
Transformation ratio for resolver	0.286 or 0.5

MECHANICAL DATA

Dimensions w/o connectors [L×W×H]	425 × 320 × 143 mm*
Weight	22 kg*
Degree of protection	IP67 (optional IP6K9K)
Type of cooling	Liquid: water-glycol

* Compact version available on request.

POWERFUL DRIVE SOLUTIONS FOR E-MOBILITY



+ APPLICATIONS

- Commercial vehicles
- Construction equipment
- Agricultural machines
- Ships
- E-trucks/e-buses