GOZERO
PRETTL

850 V

DUAL INVERTER

- Perfect match for steering pump, brake and HVAC compressor
- Developed according ISO 26262 ASIL B
- Sensorless vector control for e.g. permanent magnet synchronous motors
- Up to 65 °C coolant temperature w/o derating
- Automotive standards and interfaces incl. J1939 and UDS

REFUdrive

RPCS 740-2x17K

Drives induction and synchronous motor types w/o speed sensor

www.refu-drive.com

TECHNICAL DATA

	RPCS740-2x17K

POWER DATA

AC output power @ 650 V DC	2 x 17 kVA
Nominal DC voltage	650 V
DC input voltage range	200 – 850 V
max. AC output voltage @ 3 AC	0 – 500 V
Recommended motor power @ 4 kHz	2 x 15 kW
Rated current @ 4 kHz	2 x 25 A
Peak current for 10 s @ 4 kHz	2 x 45 A
Peak current for 60 s @ 4 kHz	2 x 37.5 A
Peak current for 120 s @ 4 kHz	2 x 32.5 A
Peak current for 240 s @ 4 kHz	2 x 28.7 A
Output frequency	0 – 599 Hz (optional up to 1,600 Hz)
Control supply voltage	9 –36 V
Ambient temperature	-40 to 85 °C (beyond 50 °C with derating)
Coolant temperature	-40 to 65 °C

CONTROL HARDWARE

Digital I/O	4
Service interface	CANopen / SAE J1939 incl. UDS
Communication interface	CANopen / SAE J1939
Motor temperature control	PTC, PT1000

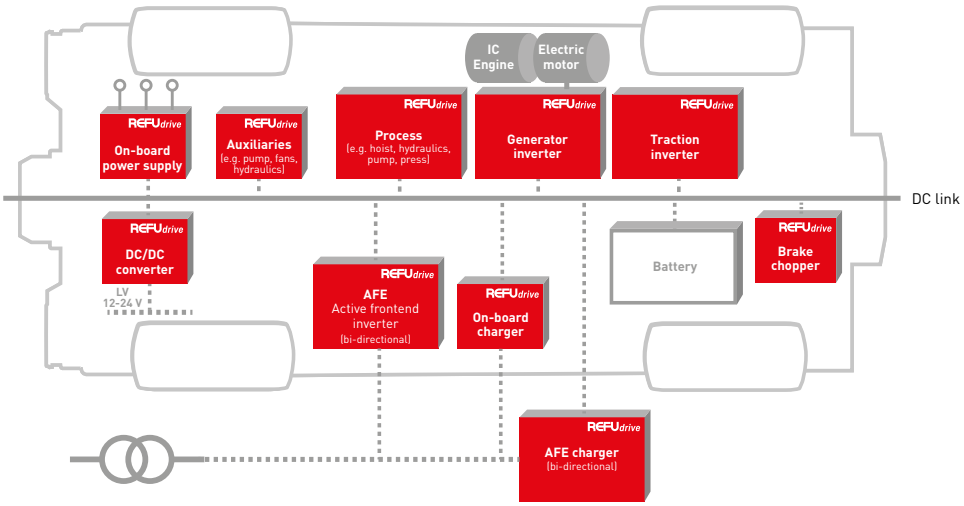
MECHANICAL DATA

Dimensions w/o connectors [L × W × H]	364 x 391 x 85 mm
Weight	10 kg
Degree of protection	IP6K9K
Type of cooling	Liquid: water-glycol

GENERAL DATA

User Interface	REFUdriver software tool
Electromagnetic compatibility	UN ECE R10, AIS004-Part3
Safety	ISO 26262 ASIL B, ECE R100, ISO 6469-3, EN 61800-5-1
Protective functions	Short circuit, earth fault, over current, voltage and temperature monitoring, motor temperature monitoring
Configurations	Motor inverter, generator inverter, on-board power supply
Cable connection	Plug

POWERFUL DRIVE SOLUTIONS FOR E-MOBILITY



+ APPLICATIONS

- Commercial vehicles
- Public transportation
- Municipal vehicles
- Construction equipment
- Agricultural machines

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