

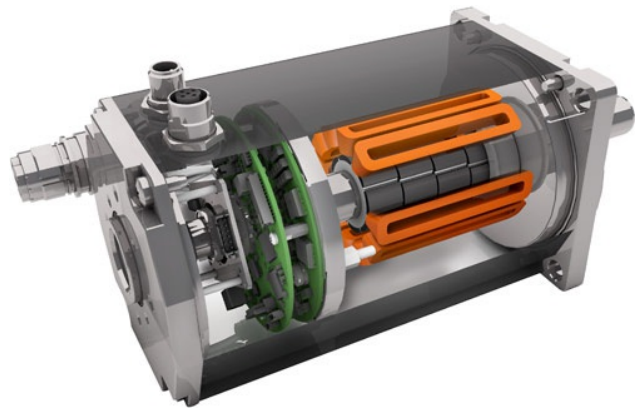
BLDC MOTOR DRIVE

Permanent output power of 1100 W

With the BG 95 dPro CANopen, Dunkermotoren has launched a drive based on a brushless DC motor (BLDC). It has an output power of over 1 kW.

The drive with its integrated control and power electronics can provide 1100 W continuous mechanical output power and has an integrated CANopen interface for the integration into a CANopen network. With voltage variants from 24 V_{DC} up to 60 V_{DC}, the drive is able to excel in a range of applications. Algorithms calculate the warming of the winding and the semiconductors in advance. Thus, the drive can be temporarily overloaded way above its continuous output power without any damage.

The integrated CANopen interface of the drive is compatible with CiA 402 (cf. IEC 61800-7) and accepts quick start instructions. With its design and voltage variants, the CANopen drive is suitable for battery applications as well as for applications in which hydraulics are used. Its design makes the product suitable for autonomous shuttles, industrial automation, solar applications, door applications, medical engineering, and special engineering.



(Photo: Dunkermotoren)

To ease the installation, the product is equipped with standard flange and standard shaft according to DIN EN 50347 and a plug. CAN IN and CAN OUT connectors are separate, which makes an additional external T-piece redundant. The device is available in two sizes – BG 95x40 and BG 95x80. It extends the modular system of Dunkermotoren in terms of higher output power. It can be combined with planetary and worm gearboxes as well as with encoders and brakes by the company. They are already tailored to the motor during design.

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