



Media Release

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Coolvert VFD has one of smallest footprints and widest ambient operating temperature in its class

Chillventa, Nuremberg, Germany

Inverter Drives Ltd's new *Coolvert* variable frequency drive (VFD) is one of the smallest in its class, providing OEMs with opportunities to reduce panel space and lower machine costs.

Launched at Chillventa 2018 (**Hall 5, Stand 205, 16-18 October 2018**) the VFD was unveiled alongside a new CO₂ condensing unit controller from Danish company Reftronix ApS.

Coolvert is designed specifically for OEM's where space is at a premium.

It also has the widest ambient operating range of between -20° to +60° making it ideal for use in a wide range of environments.

Coolvert is compatible with all motor types, including induction motors, permanent magnet motors, brushless DC motors, synchronous reluctance motors and Line Start PM motors ranging between 1.5kW to 11kW, 2HP to 15HP. It has single and three-phase input of 200V to 480V.

Its open Modbus RS485 communication ensures seamless connection to any external application controller, allowing the OEM freedom to select which components to use which again helps lower manufacturing costs.

With an IP20 rated front and an IP55 rated rear, this allows OEMs to select the smallest panel size for the control of the electronics, while removing heat generated by the drive and maintaining the IP rating.

"*Coolvert's* wide voltage and power range and open RS485 Modbus serial port allows the OEM to seamlessly connect any manufacturer's application controller to the drive," said Mike Carmen, International Business Development Manager at Inverter Drives Ltd.

"Its compact design, one of the smallest in the market, makes it an ideal solution for machine builders who have limited panel space and want complete system design flexibility."

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Advantages of *Coolvert* in summary:

- Optional Bluetooth connectivity (via Optistick Smart)
- Through panel mounting
- Safe torque off input, providing built-in extra protection (SIL3)
- Seamless connectivity with any controller via Modbus RTU
- Pluggable control and communication terminals
- Wide ambient operating temperature between -20° and +60°
- Lower harmonics – EN 61000-3-12 / EN 61000-3-2 compliant without external equipment
- Coated PCBs meet 3C2 IP20 – EN 60713-303
- Suitable for all motor types: IM, PM, BLDC, SynRm, LSPM

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Editors notes

Invertek Drives Ltd

Invertek Drives Ltd is dedicated to the design, manufacture and marketing of electronic variable frequency drives for controlling electric motors.

The state-of-the-art UK headquarters houses specialist facilities for research and development, manufacturing and global marketing. All operations, including research and development, are accredited to the exacting customer focused ISO 9001:2008 quality standard while its Environmental Management System is accredited to the ISO 14001:2004 quality standard.

Invertek's products are sold globally by a network of specialist distributors in over 80 different countries. Invertek Drives' unique and innovative Optidrive range is designed for ease of use and meets with recognised international design standards for CE (Europe), UL (USA) and CTick (Australia).

More details can be found by visiting www.invertekdrives.com.