



UK DECLARATION OF CONFORMITY

For the **OPTIDRIVE ECO** product range

Inverter Drives Ltd
Offa's Dyke Business Park
Welshpool, Powys. SY21 8JF, United Kingdom

hereby declares, under our sole responsibility, that the above-named product range has been designed and manufactured in accordance with the following UK harmonised standards:

Safety:

- | | |
|--------------------------------------|---|
| BSEN 61800-5-1:2007
& A11:2021 | Adjustable speed electrical power drive systems.
Part 5-1: Safety requirements. Electrical, thermal and energy (IEC 61800-5-1:2007). |
| BSEN 61800-5-2:2017
[as relevant] | Adjustable speed electrical power drive systems.
Part 5-2: Safety requirements – Functional (IEC 61800-5-2:2016). |

EMC:

- | | |
|----------------------|--|
| BSEN 61800-3:2018 | Adjustable speed electrical power drive systems.
Part 3: EMC requirements and specific test methods (IEC 61800-3:2017). |
| BSEN 61000-3-12:2011 | Electromagnetic Compatibility (EMC).
Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16A and < 75A per phase (IEC 61000-3-12:2011). |

Eco-design:

- | | |
|---------------------|--|
| BSEN 61800-9-2:2017 | Adjustable speed electrical power drive systems.
Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Energy efficiency indicators for power drive systems and motor starters (IEC 61800-9-2:2017). |
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RoHS:

- | | |
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| BSEN 63000:2018 | Tech documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (IEC 63000:2016) |
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following provision of the UK regulations:

- Electromagnetic Compatibility Regulations 2016 (1091)
- Supply of Machinery (Safety) Regulations 2008 (1597)
- Electrical Equipment (Safety) Regulations 2016 (1101)
- The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019 (539)
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (3032)

Supplementary Notes:

Inverter's HVAC Eco VSDs fulfil the requirements of EN 61000-3-12 without the need for external line reactors according to the THC values specified in Table 3 for values of R_{sce} > 185.



Only the "Safe Torque Off" (STO) drive function may be used as a machine safety function. No other functions of the drive can be used to carry out a safety function.

The UKCA marking and conformity are only valid if the product has been installed in a drive system in accordance with the product User Guide delivered with the product.

DM Jones
R&D Director
Inverter Drives Ltd
Welshpool, 18.03.2021

OPTIDRIVE™ HVAC eco

