



# UK DECLARATION OF CONFORMITY

## For the OPTIDRIVE ECO product range

Inverterk 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:

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 council directives:

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) & 2021 (745)  
 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (3032)

### Supplementary Notes:

Inverterk'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<sub>sce</sub> > 185.

# UK CA

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 CE 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, Welshpool, 21.03.22

**INVERTEK DRIVES LIMITED** UK Headquarters  
 Offa's Dyke Business Park, Welshpool, Powys, UK, SY21 8JF | [www.inverterkdrives.com](http://www.inverterkdrives.com)



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