



UK Declaration of Conformity

For the following equipment :

Product Name: Variable Frequency Drive

Model Designation: VFD-250P-230,VFD-350P-230

The designated product(s) is(are) in conformity with the relevant legislation:

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012: SI 2012 No. 3032

Electrical Equipment (Safety) Regulations 2016 :

BS EN 61800-5-1:2007+A1+A11

TUV certificate No : R50603011

Electrical Compatibility Regulations 2016 :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

	BS EN IEC 61800-3:2018	Class A
Harmonic current	BS EN IEC 61800-3:2018	Class A
Voltage flicker	BS EN IEC 61800-3:2018	Clause 5

EMS (Electro-Magnetic Susceptibility)

BS EN IEC 61800-3:2018

ESD air	BS EN 61000-4-2:2009	Level 3	8KV
ESD contact	BS EN 61000-4-2:2009	Level 2	4KV
RF field susceptibility	BS EN IEC 61000-4-3:2020	Level 3	10V/m(80MHz-1.0GHz) 3V/m(1.4GHz-2.0GHz) 1V/m(2.0GHz-2.7GHz)
EFT bursts	BS EN 61000-4-4:2012	Level 3	2KV/5KHz
Surge susceptibility	EN 61000-4-5:2014+A1:2017	Level 3	1KV/Line-Line
Surge susceptibility	EN 61000-4-5:2014+A1:2017	Level 3	2KV/Line-Earth
Conducted susceptibility	BS EN 61000-4-6:2014	Level 3	10V
Magnetic field immunity	BS EN 61000-4-8:2010	Level 4	30A/m
Voltage dip, interruption	EN IEC 61000-4-11:2020		0% residual voltage for 0.5 cycles , 0% residual voltage for 1 cycles ,70% residual voltage for 25 cycles , 0% residual voltage for 250 cycles
Voltage deviation	IEC 61000-2-4 Class 2		-15% Un +10% Un
Total Harmonic distortion (THD)			
Individual Harmonic orders	IEC 61000-2-4 Class 3 IEC 61000-4-13 Class 3		THD 12 %
Frequency variations	IEC 61000-2-4		±4%
Frequency rate of change	IEC 61800-3:2018		2%/s

Note:

The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete system, the final equipment manufacturers must re-qualify EMC Regulations on the complete system again.

For guidance on how to perform these EMC tests, please refer to TDF (Technical Documentation File).

This Declaration is effective from serial number SC3xxxxxxx

Person responsible for marking this declaration :

MEAN WELL Enterprises Co., Ltd.

(Manufacturer Name)

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan

(Manufacturer Address)

Aries Jian/ Director, Group R&D :

(Name / Position)

Aries
(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

[Signature]
(Signature)

Taiwan

(Place)

Oct. 25th, 2023

(Date)