



# Declaration of Conformity

For the following equipment :

Product Name: Variable Frequency Drive

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

is herewith confirmed to comply with the requirements set out in the Council Directive, the following standards were applied :

**RoHS Directive (2011/65/EU), (EU)2015/863**

**Low Voltage Directive (2014/35/EU) :**

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

TUV certificate No : R50603011

## Electromagnetic Compatibility Directive (2014/30/EU) :

### EMI (Electro-Magnetic Interference)

Conducted emission

Radiated emission EN IEC 61800-3:2018 Class A

Harmonic current EN IEC 61800-3:2018 Class A

Voltage flicker EN IEC 61800-3:2018 Clause 5

### EMS (Electro-Magnetic Susceptibility)

EN IEC 61800-3:2018

ESD air EN 61000-4-2:2009 Level 3 8KV

ESD contact EN 61000-4-2:2009 Level 2 4KV

RF field susceptibility 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 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 EN 61000-4-6:2014 Level 3 10V

Magnetic field immunity 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 THD 12 %  
IEC 61000-4-13 Class 3

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 installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation 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)

(Signature)

Alex Tsai/Director, Product Strategy Center :

(Name / Position)

(Signature)

Taiwan

(Place)

Oct. 25th, 2023

(Date)