



UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: ERPF-400-x(x=12, 24, 48)

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 62368-1:2014+A11:2017

TUV certificate No: R50471613

Electrical Compatibility Regulations 2016 :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 55032:2012+AC:2013

Class A

Harmonic current BS EN 61000-3-2:2014

Voltage flicker BS EN 61000-3-3:2013

EMS (Electro-Magnetic Susceptibility)

BS EN 55024:2010

| | | | |
|---------------------------|---------------------------------------|--|----------------|
| 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 61000-4-3: 2006+A1:2008+A2:2010 | Level 2 | 3V/m |
| EFT bursts | BS EN 61000-4-4: 2012 | Level 2 | 1KV/5KHz |
| Surge susceptibility | BS EN 61000-4-5:2014+A1:2017 | Level 3 | 1KV/Line-Line |
| Surge susceptibility | BS EN 61000-4-5:2014+A1:2017 | Level 3 | 2KV/Line-Earth |
| Conducted susceptibility | BS EN 61000-4-6:2014 | Level 2 | 3V |
| Magnetic field immunity | BS EN 61000-4-8:2010 | Level 2 | 3A/m |
| Voltage dip, interruption | BS EN 61000-4-11:2004+A1:2017 | >95% dip 0.5 periods 30% dip 25 periods >95% interruptions 250 periods | |

Note:

1. 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 GC1xxxxxxx

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)

June. 28th, 2021

(Date)