



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: EPP-500-y (y=12,15,18,24,27,36,48,54)

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  
BS EN 60335-1:2012+A15:2021

TUV certificate No : R 50419647  
TUV certificate No : R 50452737

**Electrical Compatibility Regulations 2016 :**

**EMI (Electro-Magnetic Interference)**

Conducted emission      BS EN 55032:2015      Class A(for Class II) ; Class B(for Class I)  
Radiated emission      BS EN 55032:2015      Class A

Harmonic current      BS EN61000-3-2:2014

Voltage flicker      BS EN 61000-3-3:2013

**EMS (Electro-Magnetic Susceptibility)**

BS EN 55024:2010+A1:2015

ESD air      BS EN 61000-4-2:2009      Level 4      15KV

ESD contact      BS EN 61000-4-2:2009      Level 4      8KV

RF field susceptibility      BS EN 61000-4-3:2006+A1:2008+A2:2010      Level 3      10V/m

EFT bursts      BS EN 61000-4-4: 2012      Level 3      2KV/5KHz

Surge susceptibility      BS EN 61000-4-5:2014+A1:2017      Level 4      2KV/Line-Line

Surge susceptibility      BS EN 61000-4-5:2014      Level 4      4KV/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

BS EN 61000-4-11:2004

Voltage dip, interruption      >95% dip 0.5 periods      30% dip 25 periods      >95% interruptions 250 periods

**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 Directive 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)

(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

(Signature)

Taiwan

(Place)

Apr. 11th, 2023

(Date)