



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: RSP-100-x(x=3,3,5,7.5,12,13.5,15,24,27,48)

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

TUV certificate No : R50443820

BS EN IEC 61558-1:2019

TUV certificate No : R50269034

BS EN 61558-2-16:2009+A1

**Electrical Compatibility Regulations 2016 :**

**EMI (Electro-Magnetic Interference)**

Conducted emission / Radiated emission

BS EN 55032:2015/A11:2020

Class B

Harmonic current

BS EN IEC 61000-3-2:2019

Voltage flicker

BS EN 61000-3-3:2013/A1:2019

**EMS (Electro-Magnetic Susceptibility)**

BS EN 55024:2010+A1:2015 BS EN 55035:2017/A11:2020

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

BS EN IEC 61000-4-11:2020

Voltage dip, interruption

<5% residual voltage for 0.5 cycles ,70% residual voltage for 25 cycles , <5% residual voltage for 250 cycles

**Note:**

A component power supply with load will be installed into final equipment which consists of an electronically shielded metal enclosure. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Regulations on the complete installation again.

The EMC tests mentioned above are performed using a well defined metal plate to simulate said metal enclosure.

For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies".(as available on <http://www.meanwell.com>)" and TDF (Technical Documentation File).

This Declaration is effective from serial number SC2xxxxxxx

**Person responsible for marking this declaration :**

MEAN WELL Enterprises Co., Ltd.

(Manufacturer Name)

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(Manufacturer Address)

Aries Jian/ Director, Group R&D :

*Aries*  
(Signature)

Alex Tsai/ Director, Product Strategy Center :

*[Signature]*  
(Signature)

(Name / Position)

(Name / Position)

Taiwan

May. 17th, 2022

(Place)

(Date)