



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: LAD-120x (where x=A, B, C, D)

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

CB certificate No : DK-131700-UL

### Electrical Compatibility Regulations 2016 :

#### EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 55032:2015+A1:2020

Class A

Harmonic current

BS EN IEC 61000-3-2:2019+A1:2021

Voltage flicker

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

#### EMS (Electro-Magnetic Susceptibility)

BS EN 55035:2017+A11:2020 BS EN 55024:2010+A1:2015 BS EN IEC 61000-6-2:2019

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

EFT bursts

BS EN 61000-4-4:2012

Level 3

2KV/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 3

10V

Magnetic field immunity

BS EN 61000-4-8:2010

Level 4

30A/m

Voltage dip, interruption

BS EN IEC 61000-4-11:2020 <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 Directive 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 :

(Name / Position)

(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

(Signature)

Taiwan

(Place)

Aug.31st, 2022

(Date)