



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: RHP-8K1U x-y (x=T or I, y=12, 24, 48); RHB-8K1Ux-y (x=T or I, y=12, 24, 48); RCP-1600-x (x=12, 24, 48); RCB-1600-x (x=12, 24, 48); RCP-1600-X-CAN (X=12, 24, 48); RCB-1600-X-CAN (X=12, 24, 48) NSP-1600-x2z (x2 can be 12, 24, 36 or 48; z can be blank, PM or CAN)

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 : R50454758

### Electrical Compatibility Regulations 2016 :

#### EMI (Electro-Magnetic Interference)

Conducted emission BS EN 55032:2015+A11:2020 Class B

Radiated emission BS EN 55032:2015+A11:2020 Class A

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 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 4 2KV/Line-Line

Surge susceptibility BS EN 61000-4-5:2014+A1:2017 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 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 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 TC2xxxxxxx

### 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)

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(Place)

*Aries*  
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Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

*[Signature]*  
(Signature)

Jun. 6th, 2022

(Date)