



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: RSP-1600-x1, RSP-1600-x1PM, RSP-1600-x1CAN (x1 can be 12, 24, 27, 36 or 48) ; RPB-1600-xy (x=12,24,48 ; y=L ,T, CAN or blank)

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-91085-UL

### Electrical Compatibility Regulations 2016 :

#### EMI (Electro-Magnetic Interference)

Conducted emission BS EN 55032:2015 Class B

Radiated emission BS EN 55032:2015 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+A1:2015

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 3 10V/m

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

Surge susceptibility BS EN 61000-4-5:2014 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

Voltage dip, interruption BS EN 61000-4-11:2004 >95% dip 0.5 periods 30% dip 25 periods >95% interruptions 250 periods

#### 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 TC1xxxxxxx

### 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)

Jun. 28th, 2021

(Date)