



Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: PLN-100-x (x=12, 15, 20, 24, 27, 36, 48) PLC-100-x (x=12, 15, 20, 24, 27, 36, 48)

is herewith confirmed to comply with the requirements set out in the Council Directive, the following standards were applied :

RoHS Directive (2011/65/EU) 、(EU)2015/863

**Energy-Related Products Directive (2009/125/EC)
Implementing measure COMMISSION REGULATION(EC) No 2019/2020**

Low Voltage Directive (2014/35/EU) :

EN 61347-1:2015 EN 61347-2-13:2014/A1:2017 TUV certificate No : R50158358(for PLN-100)
TUV certificate No : R50113492(for PLC-100)

Electromagnetic Compatibility Directive (2014/30/EU) :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

EN IEC 55015:2019+A11:2020 EN 55032:2015+A1:2020, CLASS B

Harmonic current EN IEC 61000-3-2: 2019

Voltage flicker EN 61000-3-3: 2013+A1:2019

EMS (Electro-Magnetic Susceptibility)

EN 61547:2009 EN 55035:2017+A11:2020

ESD air EN 61000-4-2:2009 Level 3 8KV

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

RF field susceptibility EN IEC 61000-4-3:2020 Level 2 3V/m

EFT bursts EN 61000-4-4:2012 Level 2 1KV/5KHz

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

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

Conducted susceptibility EN 61000-4-6:2014 Level 2 3V

Magnetic field immunity EN 61000-4-8:2010 Level 2 3A/m

EN IEC 61000-4-11:2020 70% residual voltage for 10 periods , 0%
Voltage dip, interruption residual voltage for 0.5 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 installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

Tests above are only to be performed with intended loads, i.e. either with LEDs or resistive load.

For guidance on how to perform these EMC tests, please refer to TDF (Technical Documentation File).

To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.

PLN-100-12, PLC-100-12 is used for any light source that exempt from the ErP-Directive (EU) 2019/2020 requirement, for example this model could be use for signalling products. (including, but not limited to road-, railway-, marineorair traffic-signalling , traffic control or airfield lamps)

This Declaration is effective from serial number GC1xxxxxxx

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)

Aries
(Signature)

Alex Tsai/Director, Product Strategy Center :

(Name / Position)

[Signature]
(Signature)

Taiwan

(Place)

Dec. 15th, 2021

(Date)