



## Declaration of Conformity

For the following equipment :

Product Name: Switching power supply

Model Designation: NPF-120x-yz(x=blank or D; y=12, 15, 20, 24, 30, 36, 42, 48, 54; z=blank or BE)  
PWM-120-xy(x=12,24,36,48)

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

ENEC certificate No : 35-116658

**Electromagnetic Compatibility Directive (2014/30/EU) :**

**EMI (Electro-Magnetic Interference)**

Conducted emission / Radiated emission

EN IEC 55015:2019+A11:2020

Harmonic current EN IEC 61000-3-2:2019 class C( $\geq 60\%$  load)

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

**EMS (Electro-Magnetic Susceptibility)**

EN 61547:2009

ESD air EN 61000-4-2:2009 Level 4 15KV

ESD contact EN 61000-4-2:2009 Level 4 8KV

RF field susceptibility EN 61000-4-3:2006/A2:2010 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

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

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

Voltage dip, interruption 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:**

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.

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, NPF-120x-y(x=D; y=48 or 54) can only be used behind a switch without permanently connected to the mains.

NPF-120D-yBE 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)

Aug. 12th, 2021

(Date)