



Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: OWA-120E-x (x=12,15,20,24,30,36,42,48,54)

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

Low Voltage Directive (2014/35/EU) :

EN IEC 61558-1:2019/EN 61558-2-16:2009+A1:2013 DEKRA certificate No:35-123414 (for48-54V)

EN IEC 61558-1:2019/EN 61558-2-16:2009+A1:2013 DEKRA certificate No:35-123415 (for12-42V)
EN 60335-1:2012+A11+A13+A14+A2

Electromagnetic Compatibility Directive (2014/30/EU) :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

EN 55032:2015/A11:2020

Class B

EN IEC 55014-1:2021

Harmonic current EN IEC 61000-3-2:2019

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

EMS (Electro-Magnetic Susceptibility)

EN 55024:2010/A1:2015 EN IEC 55014-2:2021 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 61000-4-3:2006/A2:2010 Level 2 3V/m

EFT bursts EN 61000-4-4:2012 Level 3 2KV/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).

Energy-Related Products Directive (2009/125/EC) :

Ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies (EU)2019/1782

This Declaration is effective from serial number GC2xxxxxxx

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 :

Aries
(Signature)

Alex Tsai/Director, Product Strategy Center :

[Signature]
(Signature)

(Name / Position)

(Name / Position)

Taiwan

Apr. 25th, 2022

(Place)

(Date)