



UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: OWA-90E-x,OWA-90E-xIN (x=12,15,20,24,30,36,42,48,54) , OWA-90E-36JD

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 IEC 61558-1:2019

TUV certificate No :R50538180(for 42V~54V)

BS EN 61558-2-16:2009+A1:2013

TUV certificate No :R50538179(for 12V~36V)

BS EN 60335-1:2012+A2:2019

BS EN62233:2008

Electrical Compatibility Regulations 2016 :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 55032:2015/A11:2020

BS EN IEC 55014-1:2021

Class B

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 55035:2017/A11:2020, BS EN 55024:2010+A1:2015, BS EN IEC 55014-2:2021

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 2 3V/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

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

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

Voltage dip, interruption BS 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 system, the final equipment manufacturers must re-qualify EMC Regulations on the complete system again.

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

The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2020

This Declaration is effective from serial number GC2xxxxxxx

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)

Apr. 1st, 2022

(Date)