



### EC declaration of conformity

For the following equipment :

Product Name: Switching Power Supplies

Model Designation: OWA-90E-xx, OWA-90E-xxIN (xx=12,15,20,24,30,36)

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

#### RoHS Directive (2011/65/EU)

#### Low Voltage Directive (2006/95/EC) :

EN61558-1:2005+A1/EN61558-2-16:2009  
EN60335-1:2012+A11/EN62233:2008

TUV certificate No : S50287950

#### Electromagnetic Compatibility Directive (2004/108/EC) :

##### EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

EN55022:2010

Class B

EN55011:2009+A1:2010 (Group 1)

Class B

EN55014-1:2006+A1:2009+A2:2011

EN61000-6-3:2007+A1:2011

Harmonic current EN61000-3-2:2006+A1:2009+A2:2009

Voltage flicker EN61000-3-3:2008

##### EMS (Electro-Magnetic Susceptibility)

EN55024:2010 EN61204-3:2000 EN55014-2:1997+A1:2001+A2:2008

ESD air EN61000-4-2:2009 Level 3 8KV

ESD contact EN61000-4-2:2009 Level 2 4KV

RF field susceptibility EN61000-4-3:2006+A1:2008+A2:2010 Level 3 10V/m

EFT bursts EN61000-4-4:2012 Level 3 2KV/5KHz

Surge susceptibility EN61000-4-5:2006 Level 3 2KV/Line-Line

Conducted susceptibility EN61000-4-6:2009 Level 3 10V

Magnetic field immunity EN61000-4-8:2010 Level 4 30A/m

Voltage dip, interruption EN61000-4-11:2004 >95% dip 0.5 periods 30% dip 25 periods >95% interruptions 250 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.

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 EC No.278/2009

This Declaration is effective from serial number EB5xxxxxxx

Person responsible for marking this declaration :

Mean Well Enterprises Co., Ltd.

(Manufacturer Name)

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 248, Taiwan

(Manufacturer Address)

Johnny Huang/Senior Verification Engineer :

(Name / Position)

(Signature)

Ted Cheng/Product Manager :

(Name / Position)

(Signature)

Taiwan

(Place)

Feb. 3rd, 2015

(Date)



### EC declaration of conformity

For the following equipment :

Product Name: Switching Power Supplies

Model Designation: OWA-90E-xx,OWA-90E-xxIN (xx=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)

#### Low Voltage Directive (2006/95/EC) :

EN61558-1:2005+A1/EN61558-2-16:2009

TUV certificate No : S50296326

#### Electromagnetic Compatibility Directive (2004/108/EC) :

##### EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

EN55022:2010

Class B

EN55011:2009+A1:2010 (Group 1)

Class B

EN55014-1:2006+A1:2009+A2:2011

EN61000-6-3:2007+A1:2011

Harmonic current EN61000-3-2:2006+A1:2009+A2:2009

Voltage flicker EN61000-3-3:2008

##### EMS (Electro-Magnetic Susceptibility)

EN55024:2010 EN61204-3:2000 EN55014-2:1997+A1:2001+A2:2008 EN61000-6-1:2007

ESD air EN61000-4-2:2009 Level 3 8KV

ESD contact EN61000-4-2:2009 Level 2 4KV

RF field susceptibility EN61000-4-3:2006+A1:2008+A2:2010 Level 3 10V/m

EFT bursts EN61000-4-4:2012 Level 3 2KV/5KHz

Surge susceptibility EN61000-4-5:2006 Level 3 2KV/Line-Line

Conducted susceptibility EN61000-4-6:2009 Level 3 10V

Magnetic field immunity EN61000-4-8:2010 Level 4 30A/m

Voltage dip, interruption EN61000-4-11:2004 >95% dip 0.5 periods 30% dip 25 periods >95% interruptions 250 periods

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