



UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supplies

Model Designation: KNX-20E-640

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

BS EN 61558-2-16:2009+A1

TUV certificate No: R50333968

Electrical Compatibility Regulations 2016 :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 50491-5-2:2010 BS EN 50491-5-3:2010

BS EN 610006-3:2007/A1:2011 BS EN IEC 61000-6-4:2019

Harmonic current BS EN IEC 61000-3-2:2019+A1:2021

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

EMS (Electro-Magnetic Susceptibility)

BS EN 50491-5-2:2010 BS EN 50491-5-3:2010 BS EN IEC 61000-6-1:2019 BS EN IEC 61000-6-2:2019

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 3 10V/m

EFT bursts BS EN 61000-4-4:2012 Level 3 2KV/5KHz

Surge susceptibility BS EN 61000-4-5:2014/A1:2017 Level 3 1KV/Line-Line

Surge susceptibility BS EN 61000-4-5:2014/A1:2017 Level 3 2KV/Line-Earth

Conducted susceptibility BS EN 61000-4-6:2014 Level 3 10V

Magnetic field immunity BS EN 61000-4-8:2010 Level 4 30A/m

BS EN IEC 61000-4-11:2020

Voltage dip, interruption <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 Directive on the complete system again.

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

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)

Mar. 16th, 2022

(Date)