

Order number:  
SZ-CERT200100099-01

Test report reference:  
SZES181100524505

Issue date:  
2020-01-22

Certificate is valid until:  
2024-01-16

**License Holder:**

Minwa Green Energy Electronics Company Limited  
G/F MW Tower, 111 Bonham Strand, Sheung Wan,  
Hong Kong

**Manufacturing Plant:**

Minwa China (Huizhou) Electronics Company Limited  
Minwa (Dalian) Industrial Park, Ruhu Town, Huicheng  
District, Huizhou, 516169, Guangdong, China

**Tested according to:**

EN 62368-1:2014 + A11:2017

**Licensed Test Mark:**



The evaluated samples of the product fulfil the requirements of the above listed standards.  
The results of this evaluation may be used by the manufacturer or his authorized agent within the European Union as basis for establishing an EC Declaration of Conformity with the requirements of Directive 2014/35/EU and affixing of the CE Marking.  
The manufacturing process has been inspected prior to certification and is subject to regular supervision by SGS Group affiliates.  
The license holder is authorized to mark the described product with the SGS Product Safety mark as shown above.

**Certified Product: Switching Mode Power Supply (direct plug-in type)**

**Type designations:** HAMA-300, HAMA-300E, HAMA-600, HAMA-600E, MW MA03U, MW MA03EU, MW MA03UK, MW MA03EUK, MW MA03HT, MW MA03EHT, MW MA06U, MW MA06EU, MW MA06UK, MW MA06EUK, MW MA06HT, MW MA06EHT, SAxxxPyyyH1U, SAxxxPyyyH1EU, SAxxxPyyyH1UK, SAxxxPyyyH1EUK, SAxxxPyyyH1HT, SAxxxPyyyH1EHT, SAxxxPyyyH2U, SAxxxPyyyH2EU, SAxxxPyyyH2UK, SAxxxPyyyH2EUK

**Trademarks:**



**Technical Data:**

Rated Input(s) See page 2  
Rated Output(s) See page 2  
Class II

**Remarks:**

xxx = 030 - 240, output voltage code;  
yyy = 010 - 100, output current code

**This certificate replaces certificate no. PS/19/GEN/0055**

**Certification body for products**

SGS SA, 1, Place des Alpes, P.O. Box 2152, 1211 Geneva 1, Switzerland  
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Ralf Klingberg



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The test mark regulation is an integral part of this certificate. Please refer to the latest version at <http://www.ee.sgs.com>



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Additional information:

Technical Data:

Rated Input(s)

HAMA-300, HAMA-300E, MW MA03U, MW MA03EU, MW MA03UK, MW MA03EUK, MW MA03HT, MW MA03EHT: PRI: 100 - 240 V; 60 / 50 Hz; 85 mA;  
HAMA-600, HAMA-600E: PRI: 100 - 240 V; 60 / 50 Hz; 0,16 A;  
MW MA06U, MW MA06EU, MW MA06UK, MW MA06EUK, MW MA06HT, MW MA06EHT, SAxxxPyyyH1U, SAxxxPyyyH1EU, SAxxxPyyyH1UK, SAxxxPyyyH1EUK, SAxxxPyyyH1HT, SAxxxPyyyH1EHT, SAxxxPyyyH2U, SAxxxPyyyH2EU, SAxxxPyyyH2UK, SAxxxPyyyH2EUK: PRI: 100 - 240 V; 60 / 50 Hz; 155 mA

Rated Output(s)

HAMA-300, HAMA-300E, MW MA03U, MW MA03EU, MW MA03UK, MW MA03EUK, MW MA03HT, MW MA03EHT: SEC: 3 V / 4,5 V / 5 V / 600 mA; 6 V / 500 mA; 7,5 V / 480 mA; 9 V / 400 mA; 12 V / 300 mA; max. 3,6 W;  
HAMA-600, HAMA-600E: SEC: 3 V / 4,5 V / 5 V / 6 V / 7,5 V / 9 V / 12 V; 600 mA; max. 7,2 VA;  
MW MA06U, MW MA06EU, MW MA06UK, MW MA06EUK, MW MA06HT, MW MA06EHT: SEC: 3 V / 4,5 V / 5 V / 6 V / 7,5 V / 9 V / 12 V; 600 mA; max. 7,2 W;  
SAxxxPyyyH1U, SAxxxPyyyH1EU, SAxxxPyyyH1UK, SAxxxPyyyH1EUK, SAxxxPyyyH1HT, SAxxxPyyyH1EHT, SAxxxPyyyH2U, SAxxxPyyyH2EU, SAxxxPyyyH2UK, SAxxxPyyyH2EUK (xxx = 030 - 060): SEC: 3,0 V - 6,0 V; 0,01 A - 1,0 A; max. 6 W;  
SAxxxPyyyH1U, SAxxxPyyyH1EU, SAxxxPyyyH1UK, SAxxxPyyyH1EUK, SAxxxPyyyH1HT, SAxxxPyyyH1EHT, SAxxxPyyyH2U, SAxxxPyyyH2EU, SAxxxPyyyH2UK, SAxxxPyyyH2EUK (xxx = 061 - 240): SEC: 6,1 V - 24,0 V; 0,01 A - 0,8 A; max. 7,2 W

Certification body for products

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