

CERTIFICATE

PRÜFBESCHEINIGUNG NACH DEM PRODUKTSICHERHEITSGESETZ
(TEST CERTIFICATE IN COMPLIANCE WITH THE PRODUCT SAFETY LAW)

Bescheinigungs-Nr. (Certificate No.): **20GZO1732-01**

Gültig bis (valid until): **2025-09-20**

Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes (ProdSG) § 21 (1) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik. Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.

(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 21 (1) and the currently accepted rules of technology. The marking requirements of the product based on §6 ProdSG have to be observed)

Bescheinigungsinhaber
(Certificate Holder)

Shenzhen Addition Audio Science & Technology Co., Ltd.
Mingzhuo Industry Park, Guangming Main Street, Guangming New District
Shenzhen, Guangdong
P. R. China

Markenname (Brandname)

Addition

Fertigungsstätte
(Manufacturing Site)

Shenzhen Addition Audio Science & Technology Co., Ltd.
Mingzhuo Industry Park, Guangming Main Street, Guangming New District
Shenzhen, Guangdong
P. R. China

Produkt
(Product)

Steckernetzteil für IT und Unterhaltungselektronik
Power supply (direct plug-in) for IT and home electronic

Typbezeichnung
(Type)

AD450VVVAAAAXX (VVV=150-210; AAAA=0010-3000; XX=EU oder(or) UK)
Einzelheiten siehe Anhang (Details see attachment)

Beschreibung
(Description)

Eingang (Input): 100-240V~, 50/60Hz, 1.0A Max,
Ausgang(Output): 15.0-21.0V , 0.01-3.0A, 45.0W max.
Schutzklasse (Class) II

Prüfbericht-Nr.
(Test Report No.)

200731007SZN-001:2020-09-08
Einzelheiten siehe Anhang (Details see attachment)

Geprüft nach
(Tested according to)

EK1 557-13:2013
EN 62368-1:2014+AC:2015+A11:2017
EN 62479:2010
PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK


95986

Intertek Deutschland GmbH
Dipl.-Ing. Klaus Jürgen Herrmann
Datum (Date): 2020-09-21



Seite (page) 1/2

Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde.
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate.

Intertek Deutschland GmbH, Stangenstraße 1, 70771 Leinfelden-Echterdingen
Tel.: +49 711 27311-0 E-Mail: gs@intertek.com web: www.intertek.de/zeichen

Hinweise

Der Bescheinigungsinhaber bzw. sein für die Herstellung Verantwortlicher verpflichtet sich, sein Produkt in Übereinstimmung mit dem geprüften Baumuster herzustellen, die Festlegungen zur Bereitstellung von Produkten auf dem Markt nach § 3 und § 6 ProdSG einzuhalten und Intertek Kontrollmaßnahmen zur Überwachung der Herstellung und rechtmäßigen Verwendung des GS-Zeichens nach § 22 Abs. 1 ProdSG zu ermöglichen. Am Produkt oder in der zugehörigen Dokumentation sind der Name und die Kontaktanschrift des Herstellers oder – sofern dieser nicht im europäischen Wirtschaftsraum ansässig ist – des Bevollmächtigten oder des Einführers in den europäischen Wirtschaftsraum gemäß § 6 Abs. 1 Ziff. 2 ProdSG anzugeben. Diese Baumusterprüfbescheinigung berechtigt den Bescheinigungsinhaber alle mit dem oben bezeichneten Baumuster identischen Geräte mit dem abgebildeten GS Zeichen zu versehen.

Die Bescheinigung wird ungültig, wenn der Inhaber seinen oben genannten Verpflichtungen nicht nachkommt oder sich die Voraussetzungen nach § 21 des ProdSG geändert haben.

Diese Bescheinigung ist nur für den Gebrauch durch Intertek-Kunden bestimmt und wird gemäß der vertraglichen Vereinbarung zur Verfügung gestellt. Intertek übernimmt keine Haftung zu jedweder Partei außer gegenüber dem Kunden gemäß vertraglicher Vereinbarung für irgendeinen Verlust, Unkosten oder Beschädigung, die durch den Gebrauch dieser Bescheinigung verursacht werden. Nur der Kunde ist autorisiert, diese Bescheinigung zu kopieren oder zu verteilen und dann nur in ihrer Gesamtheit. Die Benutzung des Intertek-Prüfzeichens ist an die vertraglichen Vereinbarungen gebunden. Jegliche weitere Verwendung des Intertek-Namens zum Zwecke des Verkaufs oder der Bewerbung des geprüften Materials, Produktes oder des Services bedarf einer vorherigen schriftlichen Genehmigung durch Intertek. Erst- und Folgebesichtigungen der Fertigung dienen der Sicherstellung der vertraglich vereinbarten Prüfzeichenbenutzung und dienen nicht dem Zweck einer vollständigen Kontrolle der Produktionsqualität gemäß der Herstellerverantwortung und sie entbinden nicht den Kunden von seinen Verpflichtungen.

Notes

The certificate holder or his designated representative commit themselves to manufacture the product in accordance with the tested samples to meet the requirements on providing products in the market according to § 3 and § 6 ProdSG and to enable Intertek to monitor the manufacturing process and the lawful use of the GS certification according to § 22 Para 1 ProdSG. The name and the contact address of the manufacturer or – if the manufacturer is not based in the European Economic Area – of the Importer to the European Economic Area or his representative have to be applied at the product or the documentation according to § 6 (1) 2. ProdSG. This type examination certificate entitles the certificate holder to mark all devices that are identical to the above-designated sample with the logo as shown below.

This certificate becomes invalid if the holder does not meet the commitments described above or the requirements according to § 21 of the ProdSG are changed.

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the certification agreement between Intertek and its client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the certification mark in accordance with the agreement, they are not for the purposes of complete production quality control in the manufacturers responsibility and do not relieve the Client of their obligations in this respect.

Attachment to Certificate No.: 20GZO1732-01

Constructional Data Form (CDF)

<i>Certificate Holder:</i>	Shenzhen Adition Audio Science & Technology Co., Ltd. Mingzhuo Industry Park, Guangming Main Street, Guangming New District Shenzhen, Guangdong P. R. China
<i>Manufacturing Site:</i>	Shenzhen Adition Audio Science & Technology Co., Ltd. Mingzhuo Industry Park, Guangming Main Street, Guangming New District Shenzhen, Guangdong P. R. China
<i>Product:</i> <i>(in German)</i>	Steckernetzteil für IT und Unterhaltungselektronik
<i>Product:</i> <i>(in English)</i>	Power supply (direct plug-in) for IT and home electronic
<i>Type:</i>	AD450VVVAAAAXX (VVV=150-210, stands for the rated output voltage from 15.0V to 21.0V, in step of 0.1V; AAAA=0010-3000 stands for the rated output current from 0.01A to 3.0A, in step of 0.01A; XX=EU or UK stands for different plug, EU stands for European plug, UK stands for British plug.)
<i>Brandname:</i>	Adition
<i>Description:</i>	INPUT: 100-240V~, 50/60Hz, 1.0A Max, OUTPUT: 15.0-21.0VDC, 0.01-3.0A, 45.0W max. Class II apparatus
<i>Test Report No.:</i>	200731007SZN-001:2020-09-08
<i>Tested according to:</i>	EK1 557-13:2013 EN 62368-1:2014+AC:2015+A11:2017 EN 62479:2010 PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK
<i>Valid until:</i>	2025-09-20
<i>Issued on:</i>	2020-09-21

Product Information:

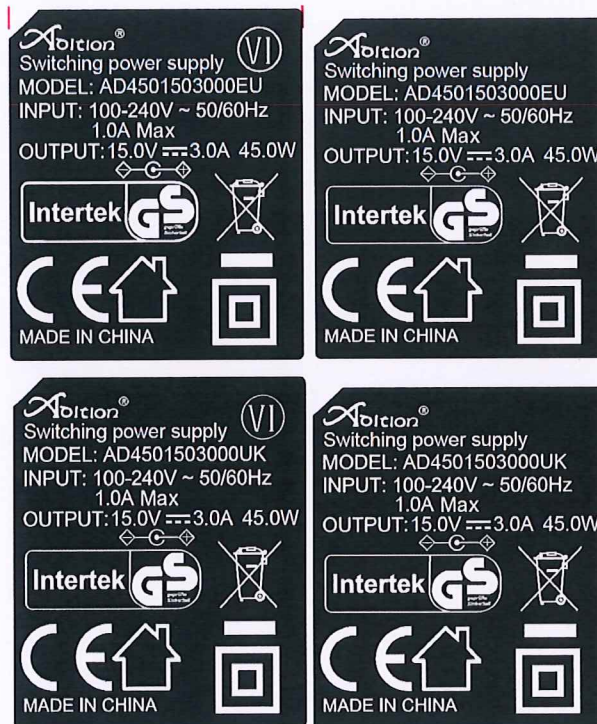
General product information					
This appliance is a direct plug-in power supply. It's intended to connection with AC mains via non-detachable EU plug or UK plug for indoor use. The enclosure of the unit is secured by ultrasonic-wave welding.					
The equipment mass: 183g(For EU plug), 184g(For UK plug)					
Model Differences:					
Model No.	Input rating	Output voltage (Vdc)	Output current (Max A)	Max. output power (W)	Transformer (T1)
AD450VVVAAAAXX	100-240V~, 50/60Hz, 1.0A Max	15.0 – 21.0	0.01-3.0	45.0	AD450-V15

Attachment to Certificate No.: 20GZO1732-01

The VVV can be represented by four numbers from "150" to "210" which represents the output voltage in volt after dividing by 100 in a step of 0.1V, for example, "150" means 15.0Vdc; "210" means 21.0Vdc;
The AAAA can be represented by three numbers from "0010" to "3000" which represents the total output current in ampere after dividing by 10 in a step of 0.01A, for example, "0010" means 0.01A, "3000" means 3.0A;
The XX, can be represented by "EU" or "UK", "EU" means Europe plug, "UK" means Britain plug;

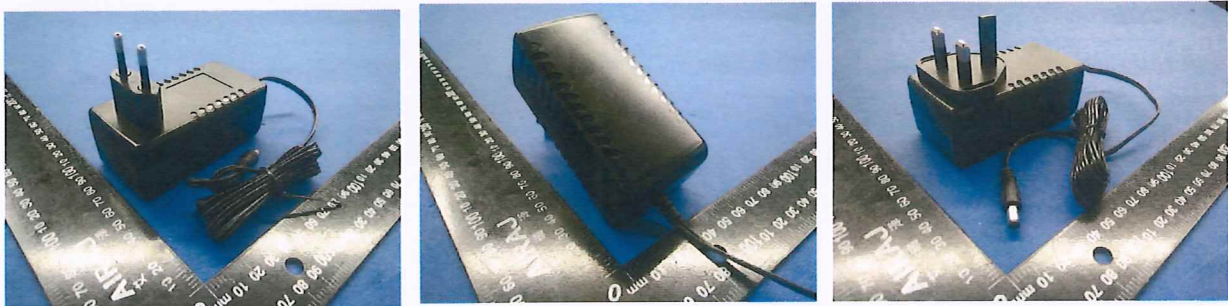
All models are identical to each other except for model number, output rating, plug type, enclosure colour, transformer and some non-critical components rating.

Copy of marking plate



Label for main unit

Product Pictures



Attachment to Certificate No.: 20GZO1732-01



List of Critical Components

Object / part No.	Manufacturer/ trademark ²⁾	Type / model ²⁾	Technical data	Standard	Mark(s) of conformity ¹⁾
Plastic material of enclosure	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	PC, V-0, min. 1.5mm thickness, 120°C, fixed together by ultrasonic bonding.	UL 94	UL
Plastic material of plug holder	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	PC, V-0, min. 1.5mm thickness, 120°C, fixed together by ultrasonic bonding.	UL 94	UL
Insulating sheet	Chengdu Kanglongxin Plastics Co Ltd	KLX FRPC- 1880	V-0, 125°C, min. 0.4mm thickness. it is used between plug pin and PCB.	UL 94	UL
PCB	DONGGUAN DONGHONGXIN ELECTRONICS CO LTD	DHXX2	Rated V-0, 130°C	UL 796	UL
(Alternative)	YSBY PCB LIMITED	6V0	Rated V-0, 130°C	UL 796	UL
Primary lead wire	DONGGUAN WEIDI CABLE TECHNOLOGY CO LTD	1007	Min. 300V, Min. 80°C, VW-1, Min. 20AWG	UL 758	UL
(Alternative)	YONG HAO ELECTRICAL INDUSTRY CO LTD	1007	Min. 300V, Min. 80°C, VW-1, Min. 20AWG	UL 758	UL
Current fuse F1	DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	334, 932	T3.15A, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3	VDE
(Alternative)	DONGGUAN REOMAX ELECTRONICS TECHNOLOGY CO LTD	TBP	T3.15A, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3	VDE
Heat shrinkable tube	DONGGUAN SALIPT CO LTD	S-901-DWT	Rated 600V, VW-1, 125°C, it is used wrapped current fuse	UL 224	UL
(Alternative)	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	Rated 600V, VW-1, 125°C, it is used wrapped current fuse	UL 224	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-1000	Rated 600V, VW-1, 125°C, it is used wrapped current fuse	UL 224	UL

Attachment to Certificate No.: 20GZO1732-01

Object / part No.	Manufacturer/ trademark ²⁾	Type / model ²⁾	Technical data	Standard	Mark(s) of conformity ¹⁾
X-Capacitor CX1	Shenzhen Weidy Industrial Development Co., Ltd.	MKP	Max. 0.47uF, Min. 250Vac, X2 type, 100°C	IEC/EN 60384-14	VDE
(Alternative)	DONGGUAN CITY DAFU ELECTRONICS CO LTD	MPX	Max. 0.47uF, Min. 250Vac, X2 type, 100°C	IEC/EN 60384-14	VDE
Bleeder Resistors RX1, RX2, RX3, RX4	Shenzhen MLV Technology Electronics Co., LTD	1206	Each one 2.0MΩ, 1/4W	IEC/EN 62368-1	Tested with appliance
(Alternative)	SHENZHEN TAILIYING TECHNOLOGY CO., LTD	1206	Each one 2.0MΩ, 1/4W	IEC/EN 62368-1	Tested with appliance
Line filter LF1	Shenzhen Gao Chang Sheng Electronic Technology Co., Ltd	T12*6*4	Min. 900uH, 130°C	IEC/EN 62368-1	Tested with appliance
- Magnet wire	SHANTOU SHENGANG ELECTRICAL INDUSTRIAL CO LTD	xUEW/155, QA-x/155	155°C	UL 1446	UL
- Varnish	ZHUHAI CHANGXIAN NEW MATERIALS TECHNOLOGY CO LTD	E962	Min. 130°C	UL 1446	UL
- Triple insulated wire	FURUKAWA ELECTRIC CO LTD	TEX-E	Rated 130°C	IEC/EN 62368-1 UL 2353	VDE UL
Line filter LF2	Shenzhen Lucky Tenda Electronic Co., Ltd	TD1515	Min. 20mH, 130°C	IEC/EN 62368-1	Tested with appliance
- Magnet wire	GUANGDONG LIZIWIRE ELECTRIC TECHNOLOGY CO LTD	1UEW155	180°C	UL 1446	UL
(Alternate)	SHANGHAI YOUTUO MAGNET WIRE CO LTD	UEW/155@-x	180°C	UL 1446	UL
- Bobbin	CHANG CHUN PLASTICS CO LTD	T375HF	Phenolic, rated 150°C, min. thickness: 0.45mm	UL 94	UL
- Varnish	ZHUHAI CHANGXIAN NEW MATERIALS TECHNOLOGY CO LTD	E962	Min. 130°C	UL 1446	UL
Optocoupler U2	Everlight Electronics Co., Ltd.	EL817	Ext. Cr./cl≥ 7.6mm, 110°C	IEC/EN 60747-5-5	VDE
(Alternate)	Bright Led Electronics Corp.	BPC-817	Ext. Cr./cl≥ 7.6mm, 100°C	IEC/EN 60747-5-5	VDE
(Alternate)	Lite-On Technology Corporation	LTV-817	Ext. Cr./cl≥ 7.6mm, 100°C	IEC/EN 60747-5-5	VDE
(Alternate)	CT Micro International Corporation	CT817	Ext. Cr./cl≥ 7.6mm, 100°C	IEC/EN 60747-5-5	VDE
(Alternate)	COSMO Electronics Corporation	C1010 H	Ext. Cr./cl≥ 7.6mm, 100°C	IEC/EN 60747-5-5	VDE
Y-Capacitor CY1	Dongguan City Dafu Electronics Co. Ltd.	CT7 Y1 Series	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE
(Alternate)	Jyh Chung Electronic Co., Ltd.	JD	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE

Attachment to Certificate No.: 20GZO1732-01

Object / part No.	Manufacturer/ trademark ²⁾	Type / model ²⁾	Technical data	Standard	Mark(s) of conformity ¹⁾
(Alternate)	Nanjing Yuyue Electronics Co., Ltd.	CT7	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE
(Alternate)	Xiangtai Electronics (Shenzhen) Co., Ltd.	YO-series	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE
(Alternate)	Guangdong South Hongming Electronic Science and Technology Co., Ltd.	F	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE
(Alternate)	Xiamen Wanming Electronics Co., Ltd.	HJ	Min. 250V, max. 4700pF, min. 125°C, Y1 type	IEC/EN 60384-14	VDE
Transformer T1	SHENZHENSHI XINDAHUI ELECTRONICS CO LTD	AD450-V15	Hi-pot test: Pri. to Sec.: 4000Vdc, 1min, Sec. to Core: 4000Vdc, 1min, Rated class B	IEC/EN 62368-1	Test with appliance
- Insulation system of transformer	SHENZHENSHI XINDAHUI ELECTRONICS CO LTD	CCP-130-1	Class 130 (B) electrical insulation system	UL 1446	UL
- Triple Insulated Wire	TOTOKU ELECTRIC CO LTD	TIW-3X\$	Rated 130°C	IEC/EN 62368-1 UL 2353	VDE UL
- Magnet wire	ADVANCE METAL INDUSTRY CO LTD	UEW-N	130°C	UL 1446	UL
- Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, V-0, min. 150°C, min. thickness: 0.69mm	UL 94	UL
- Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350-1 (b)	Rated 130°C, flame retardant	UL 510	UL
(Alternate)	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT* (b)(g)	Rated 130°C, flame retardant	UL 510	UL
- Insulation tube	GREAT HOLDING INDUSTRIAL CO LTD	TFT	Min. 300V, 200°C, VW-1	UL 224	UL
- Varnish	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	468-2 (d)	Min. 130°C	UL 1446	UL
Output cord	HUIZHOU GUANGFENG PLASTIC PRODUCE CO LTD	2468	Min. 20AWG, min. 300V, 80°C, VW-1	UL 758	UL
DE plug sleeving	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.

Attachment to Certificate No.: 20GZO1732-01

Object / part No.	Manufacturer/ trademark ²⁾	Type / model ²⁾	Technical data	Standard	Mark(s) of conformity ¹⁾
Output cord bushing	HUIZHOU GUANGFENG PLASTIC PRODUCE CO LTD	2468	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.
Bushing of DC output terminal	HUIZHOU GUANGFENG PLASTIC PRODUCE CO LTD	2468	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.
Inner shell of DC output terminal (interface)	HUIZHOU GUANGFENG PLASTIC PRODUCE CO LTD	2468	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.
Plastic materials of magnet ring	HUIZHOU GUANGFENG PLASTIC PRODUCE CO LTD	2468	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.
ISOD	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.
GB Plug sleeving	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	Black, White	AfPS GS 2019:01 PAK	Shenzhen LCS Compliance Testing Laboratory Ltd.

Supplementary information:

- 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.
- 2) A separately approved power cord that incorporates plugs which complies with the special national requirements shall be provided with this apparatus when be marketed in the specified countries.
- 3) The length of power cord with a 0.5² nominal cross-sectional area shall not exceed 2 m.

Modification Summary

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
None	None	None

Signed


Dipl.-Ing. Klaus Jürgen Herrmann

Date 2020-09-21

