

Test Report issued under the responsibility of:



<b>IEC 60601-1</b> <b>Medical electrical equipment</b> <b>Part 1: General requirements for basic safety and essential performance</b>	
<b>Report Reference No</b> .....:	171202170SHA-001
<b>Date of issue</b> .....	2018-03-01
	<b>Modification 1:2019.03.28</b>
<b>Total number of pages</b> .....:	7
<b>CB Testing Laboratory</b> .....:	Intertek Testing Services Shanghai
<b>Address</b> .....	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
<b>Applicant's name</b> .....:	<b>Applied Power (Shanghai) Electronics Co., Ltd</b>
<b>Address</b> .....	No.400 Fangchun Rd,free trade zone,Shanghai,China 201203
<b>Test specification:</b>	
<b>Standard</b> .....	IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)
<b>Test procedure</b> .....:	CB Scheme
<b>Non-standard test method</b> .....:	None
<b>Test Report Form No</b> .....:	IEC60601_1K
<b>Test Report Form Originator</b> .....	UL(US)
<b>Master TRF</b> .....	2015-11
<b>Copyright © 2015 Worldwide System for Conformity Testing and Certification of Electrotechnical Equipment and Components (IECEE), Geneva, Switzerland. All rights reserved.</b>	
This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.	
If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.	
<b>This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.</b>	
<b>General disclaimer:</b>	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing CB testing laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

<b>Test item description .....</b>	Medical Power Supply	
<b>Trade Mark.....</b>	APPLIED POWER	
<b>Manufacturer .....</b>	Same as applicant	
<b>Model/Type reference.....</b>	MIA-11** (refer to general information for details)	
<b>Ratings.....</b>	Input: 100-240V~, 50-60Hz, 0.4A Output: 5Vdc, 2.1A, 10.5W Class II	
<b>Testing procedure and testing location:</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	Intertek Testing Services Shanghai
<b>Testing location/ address .....</b>		Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
<input type="checkbox"/>	<b>Associated CB Testing Laboratory:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		James Fu (engineer) <i>James Fu</i>
<b>Approved by (name, function, signature) ..</b>		Teddy Fan (mandated reviewer) <i>Teddy</i>
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Approved by (name, function, signature) ..</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Supervised by (name, function, signature) :</b>		

<b>List of Attachments (including a total number of pages in each attachment):</b>	
--	
<b>Summary of testing</b>	
<b>Tests performed (name of test and test clause):</b> <b>Modification 1:</b>  <b>No test performed in this modification.</b>	<b>Testing location:</b> Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
<b>Summary of compliance with National Differences</b>	
<b>List of countries addressed:</b> <b>None.</b>	

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Note: the marking label of other models included in this report are identical to the one above except for model number.

<b>GENERAL INFORMATION</b>			
<b>Test item particulars (see also Clause 6):</b>			
Classification of installation and use..... :	<del>transportable / portable / stationary / mobile / fixed / permanently installed / hand-held, body-worn</del>		
Device type (component/sub-assembly/ equipment/ system):	Component		
Intended use (Including type of patient, application location) :	Indoor use only		
Mode of operation .....	Continuous / <del>non-continuous</del>		
Supply connection.....	<del>internally powered / permanently installed / appliance coupler / non-detachable cord</del> direct plug-in		
Accessories and detachable parts included .....	None		
Other options include .....	None		
<b>Testing</b>			
Date of receipt of test item(s)..... :	<b>No testing requirement</b>		
Dates tests performed..... :	<b>No testing requirement</b>		
<b>Possible test case verdicts:</b>			
- test case does not apply to the test object .....	N/A		
- test object does meet the requirement .....	Pass (P)		
- test object was not evaluated for the requirement.....	N/E (collateral standards only)		
- test object does not meet the requirement .....	Fail (F)		
<b>Abbreviations used in the report:</b>			
- normal condition .....	N.C.	- single fault condition .....	S.F.C.
- means of Operator protection .....	MOOP	- means of Patient protection ....	MOPP

**General remarks:**

"(See Attachment #)" refers to additional information appended to the report.  
 "(See appended table)" refers to a table appended to the report.  
 The tests results presented in this report relate only to the object tested.  
 This report shall not be reproduced except in full without the written approval of the testing laboratory.  
 List of test equipment must be kept on file and available for review.  
 Additional test data and/or information provided in the attachments to this report.

**Throughout this report a  comma /  point is used as the decimal separator.**

This report is for the exclusive use of Intertek's Client and is provided pursuant to the 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 report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

**Manufacturer's Declaration per sub-clause 4.2.5 of IEC60335-1:2012**

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :  Yes  Not applicable

**When differences exist; they shall be identified in the General product information section.**

**Name and address of factory (ies) ..... : Only one factory**

Dongguan YingJu Power Co.,LTD  
 No. 6 YongXing RD, Shayao Village, Shijie Town, Dongguan City, Guangdong, 523300, China

**General product information:**

The product covered by this report a medical power supply with various input and output types.  
 It is intended to be used below 5,000 m altitude, indoor use, Class II.  
 Operation Ambient Temperature: -10°C to 40°C  
 Operation Humidity: 20% to 95%RH non-condensing  
 The insulation was evaluated at 2MOPP.

**Model Differences:**

MIA-11\*\* series  
 The 1<sup>st</sup> "\*" can be "U" or "C", "A", "K", witch donates different input type ("U" for USA and Japan, "C" for China, "A" for Australia, "K" for United kingdom)  
 The 2<sup>nd</sup> "\*" can be "A", "B" or "C", witch donates different output type ("A" for USB type A, "B" for Output Cable with TBD barrel connector, and "C" for USB type C)

**Technical consideration:**

Usability has not been investigated on this product.

**Modification 1:**

**The original test report ref. No. 171202170SHA-001 dated 2018-03-01, was modified on 2019-03-28 to include the following changes and/or additions:**

- 1. Updated the label.**
- 2. Applicant and manufacturer's name had been changed from "Applied powered (Shanghai) Electronics Co., Ltd" to "Applied Power (Shanghai) Electronics Co., Ltd".**

**Concerning the change above, no test need to be performed in this report. And this report should be used in conjunction with the original test report ref. No. 171202170SHA-001.**