Ref. Certif. No.

DE 3 - ITAV349

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Audio/Video, Information and Communication technology equipment AC/DC Rectifier Shelves
Name and address of the applicant	**Unipower LLC** 210 North University Drive, Suite 700 Coral Springs, FL 33071 USA
Name and address of the manufacturer	Unipower LLC 210 North University Drive, Suite 700, Coral Springs, FL 33071, USA
Name and address of the factory	UNIPOWER LLC 65 Industrial Park Rd., Dunlap TN 37327, USA Dongguan Teamwise Electronic Co., Ltd. No.1 Ao Bei Road,Cross Xiang Xin West Road,Yan Tian,Fenggang, Guangdong, 523700 Dongguan,Guangdong, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	Rated Input Voltage: 100-250 V AC Rated Frequency: 50-60 Hz Rated Input Current: Single Phase: 16.0-11.0 A (High Power) Two Phase: 8.0-5.5 A per phase (High Power) Single Phase: 9.0-4.0 A (Low Power) Two Phase: 4.5-2.0 A per phase (Low Power) Protection Class: I
Trade mark (if any)	UNIPOWER
Model/type Ref.	**Aspiro 1U** The shelf can be configured to 4 different types based on the input type and maximum output power.
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
as shown in the Test Report Ref. No. which forms part of this certificate	72150416A-000

This CB Test Certificate is issued by the National Certification Body

CB 061384 0115 Rev. 00
Date, 2020-03-10

(William J. Stinson)

Product Service

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ADDITIONAL RATINGS INFORMATION:

Model	Input V	Input Max A	Input Hz	Output, dc _	Output, dc V	Output, dc Max. A
Single Phase (High Power)	100 - 250	16 - 11	50 - 60		46 - 57	52*
Two Phase (High Power)	100 - 250	8 - 5.5 (Per phase)	50 - 60		46 - 57	52*
Single Phase (Low Power)	100 - 250	9-4	50 - 60		46 - 57	15
Two Phase (Low Power)	100 - 250	4.5-2 (Per phase)	50 - 60		46 - 57	15

*Maximum output current is derated to:

25 A from 100-180 Vac and 23 A from 90-100 Vac at 47°C, 55°C ambient

21 A from 90 to 264 Vac at 75°C ambient

45 A from 180 Vac to 264 Vac at 55°C ambient

CONDITIONS OF ACCEPTABILITY:

The following must be considered on end system:

1. The shelves are to be installed only by trained service personnel, according to manufacturer installation instructions.
2. Evaluated as Class I (earthed equipment). Reliable earth connection shall be provided in the end use installation.
3. Evaluated for use in a Pollution Degree 2 environment, up to 3048 m altitude.
4. Temperature tests shall be considered for specific installation conditions in the end system.
5. Suitable fire enclosure shall be provided in the end system.
6. All secondary output circuits for all models are SELV.
7. The shelves shall be properly bonded to the main protective earthing termination in the end product.
8. The input connectors for all models are suitable for field connection.
9. These products are intended to be installed within equipment that is for use in a RESTRICTED ACCESS LOCATION (RAL) and the end-product instructions shall so state.
10. Consideration shall be given to the Output Terminals, that they do not exceed 85^{0}C at the maximum operating ambient temperature.
11. These products are provided with component power supplies which are double-poled/neutral fused and marked per 2.7.6, which is visible after installation of power supplies. However, additional marking may be necessary based on installation of these products and should be considered during the end-product evaluation.
12. Consideration should also be given to re-conducting Temperature Tests if the equipment is intended for use in an ambient other than 47, 55 and 75°C.
13. Load breakers maximum load must not exceed the below limits:
    25 to 30 A circuit breaker rating- Maximum load per breaker must not exceed 18 A at 47 and 55°C ambient and not exceed 7.5 A at 75°C ambient
    1 to 20 A circuit breaker rating- Maximum load per breaker must not exceed 80% of breaker current rating at 47 and 55°C ambient and not exceed 30% of breaker current rating at 75°C ambient.

IEC IECEE CB SCHEME

Ref. Certif. No.

DE 3 - 503398

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Power supply equipment AC/DC Rectifier Shelves
Name and address of the applicant	**Unipower LLC** 210 North University Drive, Suite 700 Coral Springs, FL 33071 USA
Name and address of the manufacturer	Unipower LLC 210 North University Drive, Suite 700, Coral Springs, FL 33071, USA
Name and address of the factory	UNIPOWER LLC 65 Industrial Park Rd., Dunlap TN 37327, USA
Ratings and principal characteristics	Rated Input Voltage: 100-250 V AC Rated Frequency: 50-60 Hz Rated Input Current: Single Phase: 16.0-11.0 A (High Power) Two Phase: 8.0-5.5 A per phase (High Power) Single Phase: 9.0-4.0 A (Low Power) Two Phase: 4.5-2.0 A per phase (Low Power) Protection Class: I
Trade mark (if any)	UNIPOWER
Model/type Ref.	**Aspiro 1U** **P/N: 1-M00035*XXXXXX** where X is alphanumeric character, indicating non-safety critical options. The shelf can be configured to 4 different types based on the input type and maximum output power.
A sample of the product was tested and found to be in conformity with	IEC 60950-1:2005 IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013
as shown in the Test Report Ref. No. which forms part of this certificate	72150416-000

This CB Test Certificate is issued by the National Certification Body

CB 061384 0106 Rev. 00
Date, 2019-10-04

(William J. Stinson)

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Name and address of the factory (continued)	Dongguan Teamwise Electronic Co., Ltd. No.1 Ao Bei Road,Cross Xiang Xin West Road,Yan Tian,Fenggang, Guangdong, 523700 Dongguan,Guangdong, PEOPLE'S REPUBLIC OF CHINA

CB 061384 0106 Rev. 00
Date, 2019-10-04

(William J. Stinson)

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