

# CERTIFICATE OF CONFORMITY

According to  
**Low Voltage Directive 2014/35/EU**

Certificate No.	E181356-4789838846-LVD-1
Product	SWITCHING POWER SUPPLY
Model /Type ref.	HK650-51PP xy (x=A-Z or blank, y=0-9 or blank, for different market).
Holder of Certificate	SHENZHEN HUNTKEY ELECTRIC CO LTD HUNTKEY INDUSTRIAL PARK BANXUE RD BANTIAN SHENZHEN GUANGDONG 518129 CHINA
Manufacturer	Same as Holder of Certificate
Trade Mark	Huntkey AC Input: 100-240Vac, 50/60Hz,8.3-3.3A DC Output: +3.3V,15A;+5V,15A;-12V, 0.3A;+5VSB,3.0A;+12V1,17.3A;+12V2,17.3A;+12V3,17.3A, +3.3V&+5V total output power 115W,+12V1,+12V2 and +12V3 total output power 520W. Total Output power:550W
Electrical Rating	
Insulation Class	Class I
Degree of Protection	IP X0
Additional Information	N/A

This certificate is only valid for products submitted for certification, which are identical to the tested and certified product(s). It is confirmed that a sample of the product has been tested and found in conformity with the following standard(s):

Standard(s): IEC 62368-1:2014, EN 62368-1:2014 / A11: 2017

Detailed specifications of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: E181356-A6210-CB-1 Issued Date: 2021-04-08; By: UL-CCIC Company Limited

The Member States of the EU shall presume compliance with the provisions of the Low Voltage Directive (LVD) 2014/35/EU 26 February 2014, when the product is carrying the CE-mark of conformity, a Declaration of Conformity with the LVD Directive has been completed and signed by the manufacturer or his authorized representative established within the Community, and when the additional requirements of Annex IV regarding internal production control and the presence of technical documentation are complied with.  
This document contains 1 page.

Date: 2021-05-08



Signature.....  
*Nelson Chen*

**Nelson Chen**  
Operations Manager  
Conformity Assessment Services

**UL-CCIC Company Limited**  
Electronic Building, Parage Electronic Industrial  
Park, No.8 Nanyun Er Road, Guangzhou Science  
Park, Guangzhou 510663, China



# 中国国家强制性产品认证证书

证书编号: 2021010907376505

发证日期: 2021年03月26日

有效期至: 2026年03月26日

**认证委托人名称** 深圳市航嘉驰源电气股份有限公司  
**及注册地址** 深圳市龙岗区坂田街道雪象村航嘉工业园 1#厂房四楼 EF 区

**产品生产者名称** 深圳市航嘉驰源电气股份有限公司  
**及注册地址** 深圳市龙岗区坂田街道雪象村航嘉工业园 1#厂房四楼 EF 区

**生产企业名称** 深圳市航嘉驰源电子有限公司  
**及生产地址** 深圳市龙岗区坂田街道雪象村航嘉工业园 1#厂房

**产品名称和系列、规格、型号** 开关电源  
型号: HK650-51PP xy(x=A-Z 或空格, y=0-9 或空格, 代表不同市场, 不影响安全和电磁兼容) 交流输入: 100-240Vac, 50/60Hz, 8.3-3.3A; 直流输出: +3.3V, 15A; +5V, 15A; -12V, 0.3A; +5VSB, 3.0A; +12V1, 17.3A; +12V2, 17.3A; +12V3, 17.3A 额定输出功率: 550W, +3.3V&+5V 输出不超过 115W, +12V1&+12V2&+12V3 输出不超过 520W (电线组件为可选件, 仅适用于海拔 5000 米及以下)

**产品标准和技术要求** GB 17625.1-2012; GB 4943.1-2011; GB/T 9254-2008

上述产品符合 CNCA-C09-01:2014 认证规则的要求, 特发此证。  
证书有效期内本证书的有效性依据发证机构的定期监督获得保持。  
经中国合格评定国家认可委员会认可 CNAS C001-P

可通过扫描下方二维码或登录国家认监委网站 ([www.cnca.gov.cn](http://www.cnca.gov.cn)) 查验证书信息



签发: 陆楠

## 中国质量认证中心



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

**CERTIFICATE NO.:** 2021010907376505

**Valid from:** Mar.26,2021

**Valid until:** Mar.26,2026

**NAME AND REGISTERED  
ADDRESS OF THE APPLICANT**

SHENZHEN HUNTKEY ELECTRIC CO., LTD.  
E and F region,4F,1# Factory building,Huntkey Industrial Park, Xue-Xiang Village,Banxue Road,  
Bantian,Shenzhen,Guangdong,518129,P.R.China

**NAME AND REGISTERED  
ADDRESS OF THE  
MANUFACTURER**

SHENZHEN HUNTKEY ELECTRIC CO., LTD.  
E and F region,4F,1# Factory building,Huntkey Industrial Park, Xue-Xiang Village,Banxue Road,  
Bantian,Shenzhen,Guangdong,518129,P.R.China

**NAME AND LOCATION  
OF THE FACTORY**

SHENZHEN HUNTKEY ELECTRONICS CO., LTD.  
Huntkey Industrial Park, Xue-Xiang Village,Banxue Road,  
Bantian,Shenzhen,Guangdong,518129,P.R.China

**PRODUCT MODEL(S)**

SWITCHING POWER SUPPLY

型号 : HK650-51PP xy(x=A-Z 或空格, y=0-9 或空格, 代表不同市场, 不影响安全和电磁兼容) 交流输入 :  
100-240Vac , 50/60Hz , 8.3-3.3A ; 直流输出 : +3.3V,15A; +5V,15A; -12V,0.3A; +5VSB,3.0A; +12V1,17.3A;  
+12V2,17.3A; +12V3,17.3A 额定输出功率 : 550W, +3.3V&+5V 输出不超过 115W,  
+12V1&+12V2&+12V3 输出不超过 520W ( 电线组件为可选件, 仅适用于海拔 5000 米及以下 )

**STANDARDS AND  
TECHNICAL REQUIREMENTS**

GB 17625.1-2012;GB 4943.1-2011;GB/T 9254-2008

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C09-01:2014)

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

Accredited by China National Accreditation Service for Conformity Assessment CNAS C001-P

The certificate information is available through the QR code below or CNCA' s website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

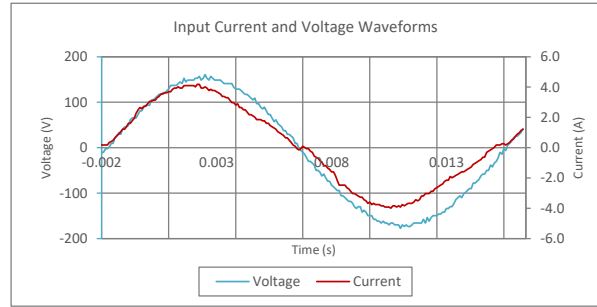
**CHINA QUALITY CERTIFICATION CENTRE**

# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.56%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.40%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



ID Number	6231
Manufacturer	HUNTKEY ELECTRIC CO.,LTD.
Model Number	HK650-51PP
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	12/11/20

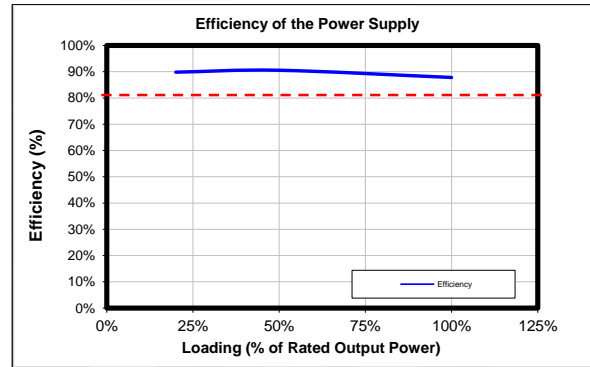
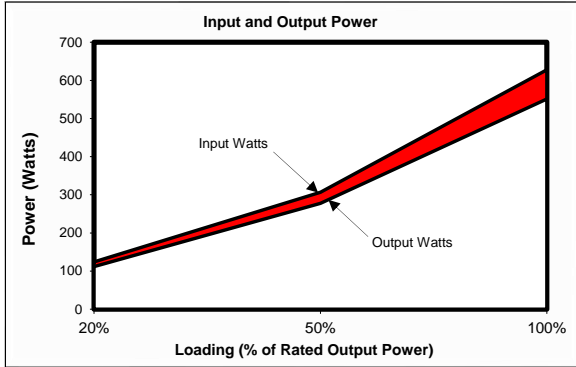


Input AC Current Waveform (ITHD = 9.47%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8.3-3.3	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>550</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)						
0.60	0.94	14.08%	10%	65.68	12.13/3.67	-12V	3.3V	5V	5Vsb	56.03	85.31%
1.10	0.98	9.48%	20%	124.20	12.15/7.32	12.09/0.05	3.35/2.33	5.07/2.32	5.02/0.5	111.57	89.83%
2.69	0.99	9.47%	50%	306.70	12.08/18.33	12.01/0.13	3.33/5.84	5.02/5.78	4.96/1.26	277.73	90.56%
5.50	0.99	7.14%	100%	627.70	12.04/36.6	12.27/0.25	3.27/11.68	4.93/11.55	4.87/2.52	551.21	87.81%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications.  
<http://www.80plus.org/>

