



中国船级社 CHINA CLASSIFICATION SOCIETY

型式认可证书 CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. NJ20P2016

兹证明本证书所述制造厂生产的下列产品能够满足下面列明认可标准的要求。

This is to certify that the following products produced by the manufacturer stated in the certificate can meet the requirements of the approval standards listed below.

认可产品/Product Approved

低压岸电桩

Low-voltage Shore to Ship Power Supply Unit

制造厂名称及地址/Manufacturer and address

南京康尼科技实业有限公司/Nanjing KangNi Technology Industry Co., Ltd
南京经济技术开发区恒竞路 11 号/No.11 Hengjing Road, Economic and technological development zone, Nanjing

认可标准/Approval Standard

- JTS 155-1-2019 《码头岸电设施检测技术规范》
- JTS 155-1-2019 Test Technical Code of Shore-to-ship Power Supply Facility
- JTS 155-2019 《码头岸电设施建设技术规范》
- JTS 155-1-2019 Technical Code of Shore-to-ship Power Supply System
- GB/T 25316-2010 《静止式岸电装置》/GB/T 25316-2010 Static shore power supply(SPS) system
- GB 14048.1-2012 《低压开关设备和控制设备第一部分: 总则》
- GB 14048.1-2012 Low-voltage switchgear and controlgear-Part 1:General rules

证书有效期至/This Certificate is valid until

2025 年 03 月 30 日 / Mar.30, 2025

发证地点

Issued by



签发日期

Date

2021 年 03 月 31 日

Mar.31, 2021

在本证书的有效期内, 应经本社年度复查方可保持有效。

This Certificate is valid subject to annual surveillance by the Society within the validity period.

年度复查确认签证 Confirmatory endorsement of annual surveillance		
日期 Date	日期 Date	日期 Date

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Rev.201101

Nº 00044214

产品明细/Product Description

产品名称/Product Name	低压岸电桩/Low-voltage Shore to Ship Power Supply Unit			
产品型号/Product model	KN-EP-LV690/125-S2-I	KN-EP-LV690/125-S2-II	KN-EP-LV690/125-S1-I	KN-EP-LV690/125-S1-II
额定电压/Rated output voltage	AC400V	AC400V	AC400V	AC400V
额定电流/Rated output current	32A	63A	32A	63A
额定频率/Rated frequency	50Hz	50Hz	50Hz	50Hz
额定容量 Rated capacity for one interface	2x20kVA	2x40kVA	20kVA	40kVA
输出接口/Output interface	两接口, 单口额定容量 20kVA/Two interfaces, the rated capacity for one interface is 20kVA	两接口, 单口额定容量 40kVA/Two interfaces, the rated capacity for one interface is 40kVA	单接口, 单口额定容量 20kVA/One interface, the rated capacity for one interface is 20kVA	单接口, 单口额定容量 40kVA/One interface, the rated capacity for one interface is 40kVA
防护等级/Levels of protection	IP55			

批准的图纸和设计计算书/ Approved Drawings and Design Calculations

Nil.

认可试验项目和结果/Approval Scope of Testing and Result 或 产品认可试验报告/Approval Test Report

序号/No.	试验项目/Test Item	结果/Result
1	一般检查/ General inspection	合格/Satisfaction
2	额定输入电压/Rated input voltage	合格/Satisfaction
3	额定输入频率/Rated input frequency	合格/Satisfaction
4	额定输出容量/Rated output capacity	合格/Satisfaction
5	额定输出电压/Rated output voltage	合格/Satisfaction
6	额定输出频率/Rated output frequency	合格/Satisfaction
7	输出电压波形失真度/Output voltage waveform distortion	合格/Satisfaction
8	瞬态电压变化范围/Transient voltage range	合格/Satisfaction
9	负载不平衡/Load imbalance	合格/Satisfaction
10	电压波动恢复时间/Voltage fluctuation recovery time	合格/Satisfaction
11	过载能力/Overload capacity	合格/Satisfaction
12	输出过载保护功能/Output overload protection	合格/Satisfaction
13	输出短路保护功能/Output short circuit protection function	合格/Satisfaction
14	输出缺相保护功能/Output phase-out protection function	合格/Satisfaction
15	输出电压欠电压保护功能/Output voltage undervoltage protection function	合格/Satisfaction
16	输出电压过电压保护功能/Output voltage overvoltage protection function	合格/Satisfaction
17	爬电距离和电气间隙/Creepage distance and electrical clearance	合格/Satisfaction
18	耐电强度试验/Electrical strength test	合格/Satisfaction
19	绝缘电阻试验/Insulation resistance test	合格/Satisfaction
20	外壳防护等级检查/Check the protection level of the shell	合格/Satisfaction

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证书编号/Certificate No. NJ20P2016

21	保护接地措施检查/Check protective grounding measures		合格/Satisfaction
22	温升/Temperature rise		合格/Satisfaction
23	可维修性/Maintainability		合格/Satisfaction
24	噪声/Noise		合格/Satisfaction
25	效率/Efficiency		合格/Satisfaction
26	谐波干扰/Harmonic interference		合格/Satisfaction
27	颠簸试验/Bump test		合格/Satisfaction
28	环境试验 /Environmental test	工作环境温度范围试验/ Working environment temperature range test	合格/Satisfaction
		工作环境湿度上限试验/ Upper limit test of working environment humidity	合格/Satisfaction
		贮存、运输温度范围试验/ Storage and transportation temperature range test	合格/Satisfaction
		贮存、运输环境湿度试验/ Humidity test of storage and transportation environment	合格/Satisfaction
29	防盐雾试验/Test against salt spray		合格/Satisfaction
30	岸电电缆、接插件安全联锁失效保护/Safety interlock failure protection of shore power cable and connector		合格/Satisfaction
31	岸电接插件带电脱开保护/ Live disconnection protection of shore power connector		合格/Satisfaction
32	开门检修联锁保护/ Interlock protection with opening door maintenance		合格/Satisfaction
33	紧急停止按钮保护/ Emergency stop button protection		合格/Satisfaction
34	接插件/Connector		合格/Satisfaction
35	计量/Metering		合格/Satisfaction

产品适用范围/Application of the Product

适用于靠泊船舶的岸电供给

Applied to power supply to berthing ship

认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果图纸、技术文件、工艺规程有较大改变, 应征得本社同意。若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征, 则与特性有关的图纸和技术文件应经过本社审批, 并在检验机构认为必要时, 经本社检验人员到厂进行检查和见证有关试验, 其结果应能证实仍符合认可条件。

After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions.

2. 工厂的专业质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The professional quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 型式认可证书获得者应接受本社每年一次的年度复查, 年度复查日为认可证书的签发日起的每一周年日, 检查工作可在年度复查日的前后三个月内进行。

Those who have obtained the certificate of type approval shall receive surveillance done by the Society on an annual basis. The date of surveillance shall be each anniversary date of the approval certificate since the date of issuance and the surveillance may be done within a time span of three months before and after the annual surveillance date.

4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准或备查的图纸和文件。工厂应予以配合。

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Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved or noted by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

认可后的产品检验方式/ Requirements for Product Inspection after Approval

对需要本社检验的产品应由本社检验人员按照确定的检验计划实施现场检验, 满意后签发相应的检验证书。

The products need survey from this Society should be inspected by the surveyor according as the items listed in the Inspection plan, and the certificate will be issued as the result of inspection satisfactorily.

责任声明/ Statement of Responsibility

中国船级社质量认证公司的检验不替代与本公司授权或检验无关的各方对上述工厂的认可和发证。

The inspection of the CCS Certification does not replace any approval and certification of the manufacturer by any parties that bear no relation with the CCS Certification's authorization or survey and therefore takes no responsibility for these parties.

其他/Others

Nil.

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*****本证书正文完/ End of Text*****

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