



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
GZ25PAA00014

产品检测和试验机构认可证书
CERTIFICATE OF TEST AGENCY APPROVAL

兹证明本证书所述试验机构具备按照本社接受的试验标准进行本证书所列产品试验的能力和条件。
This is to certify the agency stated in the certificate is available with the ability and conditions to test the relevant products in accordance with the standards accepted by this Society.

检测和试验机构/ Test Agency

广电计量检测集团股份有限公司
GRG Metrology & Test Group Co.,Ltd.

地址/Address

广东省广州市番禺区石碁镇创运路8号
No.8, Chuangyun Road, Shiqi Town, Panyu District, Guangzhou City, Guangdong,P.R.China

认可试验范围/Items of Test Approved

- 1. 电气电子产品/Electrical and Electronic Products:
1.1. 电磁兼容性试验/ElectromagnTetic Compatibility Test;
1.2. 人身安全试验/Safety Precautions Test;
1.3. 电源试验/Power supply Test;
1.4. 特殊试验/Special Purpose Test;
1.5. 性能试验/Performance Test;
1.6. 环境试验/Environmental Test.
1.7 可靠性试验/Reliability Test.

试验主要适用标准/ Main Test Standards

- 1. 详见附页
For details, see additional pages

认可保持条件/ Maintenance Requirements of Approval

1. 产品检测和试验机构认可后, 如果检测、试验设备或试验程序、方法有较大改变, 应征得本社同意。若改变涉及或影响到检测、试验的结果时, 本社检验人员将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 test agency approval, if there are any major changes to the inspection and testing instruments or testing procedure, prior consent should be obtained from the survey office of the Society. If the changes involve or affect the results of inspection and testing, the surveyor to the Society will go to the agency to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions.
2. 认可证书获得者应接受本社一次定期审核, 定期审核日为认可证书的期满之日对应的第二个周年日, 检查工作应在定期审核日的前后三个月内进行。
Those who have obtained the certificate of agency approval shall receive periodical audit done by the Society. The date of periodical audit shall be the second anniversary date of the approval certificate which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before or after the above periodical audit date.

证书有效期至/This Certificate is valid until 2030年02月11日 /Feb. 11,2030

发证机构 中国船级社广州分社 签发日期 2026年02月09日
Issued by CCS Guangzhou Branch Date Feb. 09,2026

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体, 必须同时使用。纸质证书每页均须由本社盖章方为有效, 电子证书含数字签名方为有效, 本证书复印件无效。任何单位和个人不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时, 可以向我社检验机构咨询。
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



Form No: A01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (http://www.ccs.org.cn)

UTN:P026-68831968

3. 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机构的检测和试验过程进行审核，以验证检测和试验过程是否符合认可条件。机构应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the inspection and testing process of the product in order to confirm whether it is in compliance with the approval conditions. The agency should provide an active cooperation and necessary for the surveyor.

4. 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，机构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 agency should take corrective actions in a prompt and effective manner.

备注/Remarks

本证书由原型式认可证书 (No. GZ25PAA00003) 变更并换新。

This certificate is modified and renewed from the previous Type Approval Certificate No. GZ25PAA00003.

中国船级社广州分社
CCS Guangzhou Branch

注：本证书含有附页，共4页
Note: The certificate is attached with additional 4 page(s)

试验产品 Test of Product	试验类别 Test Category	试验项目 Test Items	检测依据及标准 Test Standards
		Disterbances Induced by Radio-frequency Fields	
	人身安全试 验 Safety Precautions Test	射频电磁辐射 Electromagnetic Radio Frequency Radiation	GD019-2024 IEC 60945:2002/COR.1:2008
		防止触及危险电压 Protection Against Accidental Access to Dangerous Voltage	GD019-2024 IEC 60945:2002/COR.1:2008
		X-射线辐射 X Radiation	GD019-2024 IEC 60945:2002/COR.1:2008
	电源试验 Power supply Test	电源最大稳态波动试验 Extreme Power Supply Variation Test	IEC 60945:2002/COR1:2008
		电源异常试验 Excessive Condition Test	IEC 60945:2002/COR1:2008
		电源故障试验 Power Supply Failure Test	IEC 60945:2002/COR1:2008
		电源瞬时波动试验 Power Supply Short-term Variation Test	IEC 60945:2002/COR1:2008
	特殊试验 Special Purpose Test	噪声和听觉信号 Acoustic Noise and Signals Test	GD019-2024 IEC 60945:2002/COR.1:2008
		罗经安全距离 Compass Safe Distance Test	GD019-2024 IEC 60945:2002/COR.1:2008



试验产品 Test of Product	试验类别 Test Category	试验项目 Test Items	检测依据及标准 Test Standards
	性能试验 Performance Test	外壳防护试验 Enclosure Test	GD019-2024 IEC 60529:2013
		操作检查 Operational Check	GD019-2024 IEC 60945:2002/COR1:2008
		绝缘电阻测量 Insulation Resistance Test	GD019-2024
		耐电压试验 High Voltage Test	GD019-2024
	环境试验 Environment al Test	倾斜和摇摆试验 Inclination and Rolling Test	GD019-2024
		振动试验 Vibration Test	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-6:2007
		高温(干热)试验 Dry Heat Test	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-2:2007
		低温试验 Low Temperature Test	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-1:2007
		交变湿热试验 Damp Heat Test(Cyclic)	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-30:2005
		恒定湿热试验 Damp Heat Test(Steady State)	GD019-2024 IEC 60068-2-78: 2012 IEC 60945:2002/COR1:2008
		盐雾试验 Kb Salt Mist Test Kb	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-52:2017
		盐雾试验 Ka Salt Mist Test Ka	GD019-2024 IEC 60945:2002/COR1:2008 IEC 60068-2-11:1981
		热冲击试验 Thermal Shock Test	GD019-2024 IEC 60945:2002/COR1:2008
		雨和喷水试验 Rain and sprat Test	IEC 60945:2002/COR1:2008



试验产品 Test of Product	试验类别 Test Category	试验项目 Test Items	检测依据及标准 Test Standards
		跌落试验 (静态跌落) Drop Test(Static drop)	IEC 60945:2002/COR1:2008
		短时浸水试验 Temporary Immersion Test	IEC 60945:2002/COR1:2008
		太阳辐射试验 Solar Radiation Test	IEC 60945:2002/COR1:2008
		耐油试验 Oil Resistance Test	IEC 60945:2002/COR1:2008
		滞燃试验 Flame Retardant Test	GD019-2024 IEC 60092-101:2002 IEC 60695-11-5:2016
		能源波动试验 Power Supply Variation Test	GD019-2024
		能源故障试验 Power Supply Failure Test	GD019-2024
电气电子产品 Electrical and Electronic Products	可靠性试验 Reliability Test	可靠性试验 Reliability Test	GD28-2023



