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江西华耀电气有限公司

Jiangxi Huayao Electric Co., Ltd

产品图册

PRODUCT CATALOGUE



公司概况

COMPANY INTRODUCTION

江西华耀电气有限公司创立于2023年，总部位于江西省萍乡市芦溪县上埠镇工业园。占地面积47亩，总建筑面积17200平方米，现有员工150余人。

公司致力于打造国际一流的玻璃绝缘子生产基地，通过引进德国、意大利等先进国家的现代化生产设备和精密检测仪器，建成了具有国际领先水平的超（特）高压钢化玻璃绝缘子生产线，年产能可达600万片交直流玻璃绝缘子。

作为专业的高端绝缘子制造商，我们专注于生产40kN-550kN全系列玻璃绝缘子产品，全面满足10kV-500kV超高压、特高压输变电线路的建设需求。所有产品严格遵循国际电工委员会标准（IEC）、国家标准（GB）以及美国标准（ANSI）等国际权威标准，现已形成标准型、耐污型、空气动力型等完整产品体系。

秉承“创新驱动、品质至上”的经营理念，我们矢志成为全球玻璃绝缘子制造领域的领军企业。公司不仅致力于为客户创造卓越价值，更积极推动行业的可持续发展。我们诚挚邀请海内外合作伙伴加入我们的全球营销网络，共同建立长期稳定的战略合作关系。欢迎各界客户莅临考察、洽谈业务，携手共创美好未来。



创新驱动，品质至上



Jiangxi Huayao Electric Co.,Ltd. was established in 2023 and is headquartered in the Industrial Park of Shangbu Town, Luxi County, Pingxiang City, Jiangxi Province. the company occupies an area of 47 acres , with a total construction area of 17,200 square meters, and currently employs over 150 staff members.

The company is committed to building a world-class glass insulator production base.By introducing advanced production equipment and precision testing instruments from countries such as Germany and Italy, we have established an internationally leading production line for ultra-high voltage (UHV) and extra-high voltage (EHV) toughened glass insulators, with an annual production capacity of up to 6 million pieces of AC and DC glass insulators.

As a professional manufacturer of high-end insulators, we specialize in producing a full range of glass insulator products from 40kN to 550kN, comprehensively meeting the construction needs of 10kV-500kV ultra-high voltage and extra-high voltage transmission lines. All products strictly adhere to international authoritative standards such as the International Electrotechnical Commission (IEC), National Standards (GB), and American National Standards Institute (ANSI). We have developed a complete product system, including standard type, pollution-resistant type, and aerodynamic type.

Upholding the business philosophy of "innovation-driven, quality first," we are determined to become a global leader in the glass insulator manufacturing industry.The company is not only dedicated to creating exceptional value for customers but also actively promotes the sustainable development of the industry. We sincerely invite domestic and international partners to join our global marketing network and establish long-term, stable strategic partnerships. We welcome clients from all sectors to visit and discuss business opportunities, working together to create a bright future.

管理优势

MANAGEMENT ADVANTAGES

江西华耀电气有限公司深度融合数字化技术与现代管理理念，构建“智控管理+敏捷响应”双轮驱动体系，打造玻璃绝缘子行业管理范式。通过ERP、MES、CRM三系统深度集成，实现从原料溯源到终端服务的全链路数据贯通，关键决策响应速度提升60%。创新推行“蜂巢式”跨部门协作机制，打破传统生产、研发、品保的职能壁垒，使定制化订单交付周期压缩至行业平均水平的1/3。建立人才赋能云学院，每年开展2000+学时的智能制造专项培训，关键岗位数字化技能认证覆盖率达100%。这种融合工业4.0思维的管理模式，持续赋能企业在质量管控、能耗管理、客户响应三大维度建立竞争护城河。

Jiangxi Huayao Electric Co., Ltd. has deeply integrated digital technologies with modern management philosophies, constructing a dual-drive system of "Intelligent Control Management + Agile Response" to establish an industry benchmark for glass insulator manufacturing governance. Through seamless integration of ERP, MES, and CRM systems, we achieve full-chain data connectivity from raw material traceability to end-user services, accelerating critical decision-making response speed by 60%.

The innovative "Honeycomb-style" Cross-functional Collaboration Mechanism dismantles traditional barriers between production, R&D, and QA departments, compressing customized order delivery cycles to one-third of the industry average. Our Talent Empowerment Cloud Academy delivers 2,000+ annual training hours in smart manufacturing specialization, achieving 100% digital skill certification coverage for mission-critical positions.

This Industry 4.0-infused management paradigm continuously strengthens competitive moats across three strategic dimensions:

Quality Governance: Real-time process control via cyber-physical systems

Energy Efficiency Management: AI-powered consumption pattern optimization

Client Responsiveness: Predictive service models enabled by big analytics

技术优势

TECHNICAL ADVANTAGES

江西华耀电气有限公司专注于玻璃绝缘子的研发与制造，以精密智造体系与全链服务能力为核心，为全球输变电工程提供安全可靠的绝缘解决方案。

特种玻璃精密智造体系

基于自主研发的钢化玻璃绝缘子专有技术，建立全自动熔窑炉生产线，实现1400℃高温熔制工艺数字化控制。通过MES系统对玻璃成型、钢化热处理、水泥胶装等18道核心工序全程监控，关键参数精度达0.01mm级，符合IEC60383、GB/T1001等国际标准。独创“三阶质量拦截”体系，配置X光探伤、超声波检测等23道质检关卡。

绿色制造全链管控

采用天然气清洁能源系统，配套余热回收装置，单位产品能耗较国标降低22%。建立石英砂、铸坯等原材料追溯体系，关键原料检测指标高于行业要求15%。通过ISO14064碳足迹认证，产品全生命周期减排30%。

我们秉持“绝缘守护，电通未来”的使命，持续升级从材料创新到场景服务的价值链，为电网建设提供全生命周期保障。

Jiangxi Huayao Electric Co., Ltd. specializes in the R&D and manufacturing of glass insulators. With a core focus on precision intelligent manufacturing systems and full-chain service capabilities, we deliver secure and reliable insulation solutions for global power transmission and distribution projects.

Precision Intelligent Manufacturing System for Specialty Glass

Leveraging proprietary toughened glass insulator technology developed through autonomous R&D, we have established fully automated electric melting furnace production lines enabling digital control of 1400 °C high-temperature melting processes. Our MES system monitors 18 core procedures including glass forming, tempering heat treatment, and cement potting assembly, achieving critical parameter precision at 0.01mm-level accuracy. Compliance is ensured with international standards IEC 60383 and GB/T 1001 (Chinese National Standard). The proprietary "Three-Stage Quality Interception" system incorporates 23 quality checkpoints featuring X-ray flaw detection and ultrasonic testing.

Full-Chain Green Manufacturing Management

Utilizing natural gas clean energy systems integrated with waste heat recovery devices, our energy consumption per unit product is 22% below national standards. A traceability system governs raw materials including quartz sand and zinc rings, with key material inspection benchmarks exceeding industry requirements by 15%. ISO 14064 carbon footprint-certified products demonstrate 30% reduction in lifecycle carbon emissions.

Guided by our mission "Insulation Safeguards, Empowering Connectivity," we continuously enhance the value chain from material innovation to scenario-specific services, delivering comprehensive lifecycle assurance for grid infrastructure development.



ISO体系认证



检验报告

领导关怀

LEADER 'S CARE

江西华耀电气有限公司年产12万吨玻璃绝缘子数字化生产线项目作为芦溪县招商引资的重点项目，主要从事输变电线路玻璃绝缘子研发、生产与销售等。项目于2024年1月开工，6月全面建成并投产，2024年年度上规，用电装机容量4250KVA。2024年3月，现产值5000余万元，完成税收100余万元，用电量415.5万千瓦时，用气量322.67万立方米，用工人数150人。项目全面投产后，预计年产值4亿元以上，年税收2800万元以上。“腾笼换鸟”典型：通过盘活闲置旧厂房和生产上楼等方式，仅用时5个月就全面完成建设并投产，是芦溪工业发展实现土地、空间资源集约、高效利用的缩影。“精尖技术”引领：率先引入全电熔炉窑生产钢化玻璃绝缘子技术，建成了国内最先进的“第五代”超高压、特高压自动化玻璃绝缘子生产线、全自动化智能化胶装线，实现了生产与胶装的飞速发展。经济效益显著：项目发展前景广阔，目前成功签约订单1.5亿元，创汇100多万美元，实现立即投产立即盈利的良好局面。

Jiangxi Huayao Electric Co., Ltd. 18,000-Ton Annual Production Digital Glass Insulator Production Line Project

As a key investment project in Luxi County, this initiative focuses on the R&D, production, and sales of glass insulators for power transmission and distribution lines. The project commenced construction in January 2024, achieved full completion and operational status by June 2024, and attained scale-above enterprise status within the same year. It has an installed power capacity of 4,250 KVA.

In 2024, the project generated an output value exceeding RMB 50 million, contributed over RMB 1 million in taxes, consumed 4.155 million kWh of electricity, utilized 3.2267 million cubic meters of gas, and employed 150 workers. Upon full production, it is projected to achieve an annual output value exceeding RMB 400 million and annual tax revenue of over RMB 28 million.

Exemplary "Phoenix Initiative" Model

By revitalizing idle factory buildings and adopting vertical production layouts, the project was fully completed and operational within just five months. It exemplifies Luxi County's industrial strategy of intensive and efficient land and spatial resource utilization.

"Cutting-Edge Technology" Leadership

The company pioneered the introduction of fully electric melting furnace technology for tempered glass insulator production. It has established China's most advanced "fifth-generation" ultra-high voltage automated glass insulator production line and fully automated intelligent assembly lines, achieving rapid advancements in manufacturing and assembly processes.

Significant Economic Benefits

With promising growth prospects, the project has secured signed orders totaling RMB 150 million and generated over USD 1 million in foreign exchange earnings. It has realized immediate profitability upon commencement, marking a successful start to operations.



车间展示

WORKSHOP SHOW



原料车间 Raw material workshop



成型车间 Molding Workshop



胶装车间 Glue assembly workshop



实验室 Laboratory



物流运输 logistics

玻璃绝缘子工艺流程

TECHNOLOGICAL PROCESS



窑炉
Furnace



自动化生产线
Automatic Production Line



拉伸负荷试验
Mechanical Test



机械破坏负荷试验
Mechanical Failing Load Test



冷热冲击
Thermal Shock Chamber/Cold
pyroschock box



养护
Curing



温度循环试验
Temperature Cycle Test



尺寸偏差与锁紧销检查
Verification of the Displacements
and Coupling size test



质检
Appearance quality inspection



自动化胶装线
Automatic cementing line



陡坡冲击试验
Steep-front impulse voltage test



工频耐受电压试验
Wet power-frequency withstand
voltage test

钢化玻璃悬式绝缘子

TOUGHED GLASS INSULATOR

钢化玻璃绝缘子是一种高性能电力设备，由钢化玻璃伞裙、金属附件和水泥胶合剂组成，具有优异的机械强度和电气绝缘性能。其独特的伞裙结构不仅增加了爬电距离，还能有效防止电流泄漏，确保电力系统的安全运行。

钢化玻璃绝缘子广泛应用于高压输电线路、变电站、电气化铁路和工业用电等领域，能够承受恶劣的环境条件，如高温、低温、湿度和污染，同时具备自洁性能和环保特性。

在运行中，它通过金属附件固定在杆塔上，支撑导线并提供电气绝缘，一旦损坏会完全破碎，便于快速检测和更换。凭借高强度、耐候性强和易于维护等优势，钢化玻璃绝缘子成为现代电力系统中不可或缺的关键组件，为电力传输的安全和稳定提供了可靠保障。



Tempered glass insulators are high-performance electrical devices composed of tempered glass sheds, metal fittings, and cement binders, offering exceptional mechanical strength and electrical insulation properties. Their unique shed design not only increases the creepage distance but also effectively prevents current leakage, ensuring the safe operation of power systems. Tempered glass insulators are widely used in high-voltage transmission lines, substations, electrified railways, and industrial power applications. They can withstand harsh environmental conditions such as high temperatures, low temperatures, humidity, and pollution, while also featuring self-cleaning properties and environmental friendliness. During operation, they are fixed to towers via metal fittings, supporting conductors and providing electrical insulation. In the event of damage, they shatter completely, enabling quick detection and replacement. With advantages such as high strength, strong weather resistance, and ease of maintenance, tempered glass insulators have become an indispensable component in modern power systems, providing reliable support for the safety and stability of power transmission.

产品类型

PRODUCT TYPE



交流标准型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of standard type

绝缘子型号 Model No	机械破坏负荷 kN 不小于 Mechanical Falling load z	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型 号标记 Conne- ction type	单个拉伸 负荷试验 (kN) Individual tensile load test	雷电冲 击耐受 电压 (kV) Dry lightning impulse withstan- d voltage	冲击过 电压耐受 电压 P.U Impulse Puncture Withstan- d voltage	工频电压 (有限值) kV 不小于 Power Frequency Voltage (virtual-value) z			无线电 干扰 10kV 1MHz Radio interfe- rence voltage pin/cap	可见电晕 电压 试验 k(V) Corona extinctio n voltage pin/cap	工频电 弧试验 Power frequency arc test	单件重 量 Kg Net weigh t Per unit
		mm							工频干 耐受 电压 (kV) Power frequen- cy dry withstan- d voltage	1min 湿耐受 电压 with- stand voltage (1min)	击穿 punct- ure				
U40B/110	40	110	175	200	11	20	75	2.8	55	30	90	≤50	18/22	0.12s/20kA	2.1
U70BL/146	70	146	255	320	16	35	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	3.6
U70BS/127	70	127	255	320	16	35	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	3.5
U100BL/146	100	146	255	320	16	50	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	4
U100BS/127	100	127	255	320	16	50	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	4
U120B/146	120	146	255	320	16	60	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	4.2
U120BS/127	120	127	255	320	16	60	100	2.8	70	40	130	≤50	18/22	0.12s/20kA	4
U160BL/170	160	170	280	400	20	80	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.5
U160B/155	160	155	280	450	20	80	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.3
U160B/155	160	155	280	400	20	80	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.3
U160BS/146	160	146	280	400	20	80	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.3
U210B/170	210	170	280	460	20	105	125	2.8	85	45	130	≤50	18/22	0.12s/20kA	6.9
U210B/170	210	170	280	400	20	105	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.9
U240B/170	240	170	280	400	24	120	110	2.8	75	45	130	≤50	18/22	0.12s/20kA	6.9
U240B/170	240	170	280	460	24	120	110	2.8	85	50	130	≤50	18/22	0.12s/20kA	6.9
U300B/195	300	195	320	485	24	150	130	2.8	85	50	130	≤50	18/22	0.12s/20kA	10.6
U420/205	420	205	360	550	28	210	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	16
U550B/240	550	240	380	620	32	275	145	2.8	95	55	130	≤50	18/22	0.12s/20kA	21.5

产品类型

PRODUCT TYPE



交流耐污型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Fog type

绝缘子型号 Model No	机械破坏 负荷 kN 不小于 Mechanical Failing load ≥	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型号 标记 Connection type	逐个拉伸 负荷试验 (kN) Individual tensile load test	雷电冲 击耐受 电压 (kV) Dry lightning impulse with- stand voltage	冲击过电 压耐受电 压 PU Impulse Puncture Withstand voltage	工频电压 (有限值) kV 不小于 Power Frequency Voltage (virtual-value) ≥			无线电 干扰 10kHz 1MHz Radio interfer- ence voltage	可见电 晕电压 /周 Corona extinction on voltage pin/cap	工频电 弧试验 Power frequency arc test	单件重 量 Kg Net weigh t Per unit
		mm	mm	mm					工频干 耐受电 压 (kV) Power frequenc y dry withstand voltage	1min 湿 耐受电 压 with- stand voltage (1min)	击穿 puncture				
U70BP/146	70	146	260	400	16	35	110	2.8	80	45	130	≤50	18/22	0.12s/20kA	5
U70BLP/146	70	146	280	450	16	35	125	2.8	85	50	130	≤50	18/22	0.12s/20kA	5.5
U70BP/146	70	146	320	550	16	35	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	7.5
U100BLP/146	100	146	260	400	16	50	110	2.8	80	45	130	≤50	18/22	0.12s/20kA	5
U100BLP/146	100	146	280	450	16	50	125	2.8	85	50	130	≤50	18/22	0.12s/20kA	5.5
U100BP/146	100	146	320	550	16	50	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	7.5
U120BLP/146	120	146	260	400	16	60	110	2.8	80	45	130	≤50	18/22	0.12s/20kA	5
U120BP/146	120	146	280	450	16	60	125	2.8	85	50	130	≤50	18/22	0.12s/20kA	5.5
U120BP/146	120	146	320	550	16	60	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	7.5
U160BSP/155	160	155	280	450	20	80	125	2.8	85	50	130	≤50	18/22	0.12s/20kA	7
U160BP/170	160	170	280	450	20	80	125	2.8	85	50	130	≤50	18/22	0.12s/20kA	7.2
U160BLP/170	160	170	320	550	20	80	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	9.2
U160BP/155	160	155	320	550	20	80	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	9
U160BSP/146	210	146	320	550	20	105	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	8.8
U210BP/170	240	170	320	550	20	120	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	10
U240BP/170	300	170	320	550	24	150	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	10.5
U240BP/170	300	170	320	550	20	150	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	10.5
U300BP/195	300	195	390	710	24	150	150	2.8	95	60	130	≤50	18/22	0.12s/20kA	14
U300BP/195	420	195	380	635	24	210	150	2.8	95	60	130	≤50	18/22	0.12s/20kA	14
U420BP/205	550	205	380	620	28	275	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	16.5
U550BP/240	550	240	380	650	32	275	145	2.8	95	55	130	≤50	18/22	0.12s/20kA	20.5
U550BP/240	550	240	380	710	32	275	145	2.8	95	60	130	≤50	18/22	0.12s/20kA	20.5
U760BP/280	760	280	420	700	36	380	140	2.8	90	55	130	≤50	18/22	0.12s/20kA	22
U840BP/300	840	300	420	710	40	420	145	2.8	95	60	130	≤50	18/22	0.12s/20kA	24

产品类型

PRODUCT TYPE



空气动力型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Open Air Profile

绝缘子型号 Model No	机械破坏负荷 kN 不小于 Mechanical Failing load ≥	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型号 标记 Connection type	单个拉 伸 负荷试 验 (kN) Individual tensile load test	雷电冲 击耐受 电压 (kV) Dry lightning impulse withstan d voltage	冲击过电 压耐受电 压 PU Impulse Puncture Withstan d voltage	工频电压 (有限值) kV 不小于 Power Frequency Voltage (virtual value) ≥			无线电 干扰 10kV 1MHz Radio interference voltage	可见电晕 电压/幅 值 k(V) Corona extinction voltage pin/cap	工频电 弧试验 Power frequency arc test	单件 重量 Kg Net weight Per unit
		mm							工频耐 受电压 (kV) Power frequency dry withstand voltage	1min 耐 受电压 (kV) Power frequency withstand voltage (1min)	击穿 电压 Puncture voltage				
U70BP/146M	70	146	380	365	16	35	90	2.8	55	50	130	≤50	18/22	0.12s/20kA	5.3
U100BP/146M	100	146	380	365	16	50	90	2.8	55	50	130	≤50	18/22	0.12s/20kA	5.3
U120BP/146M	120	146	380	365	16	60	90	2.8	55	50	130	≤50	18/22	0.12s/20kA	5.3
U160BP/155M	160	155	420	380	20	80	95	2.8	60	55	130	≤50	18/22	0.12s/20kA	7.9
U160BP/170M	160	170	420	380	20	80	95	2.8	60	55	130	≤50	18/22	0.12s/20kA	8.1
U210BP/170M	210	170	420	380	20	105	95	2.8	60	55	130	≤50	18/22	0.12s/20kA	8.1
U240BP/170M	240	170	420	380	24	120	95	2.8	60	55	130	≤50	18/22	0.12s/20kA	8.3
U300BP/195M	300	195	450	450	24	150	95	2.8	60	55	130	≤50	18/22	0.12s/20kA	10.5

产品类型

PRODUCT TYPE



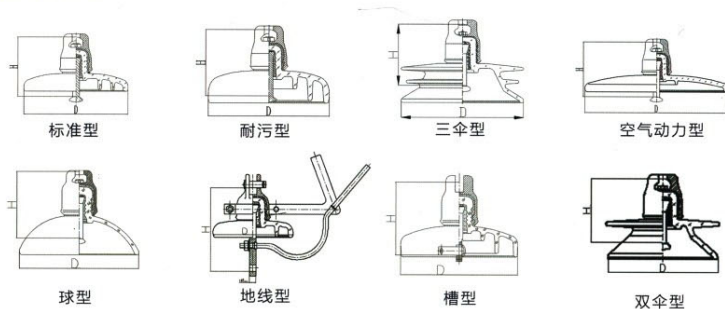
双伞、三伞型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Spherical type

绝缘子型号 Model No	机械破坏 负荷 kN 不小于 Mechanical Failing load ≥	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型号 标记 Connection type	单个拉伸 负荷试验 (kN) Individual tensile load test	雷电冲击 耐受电压 (kV) Dry lightening impulse withstand voltage	冲击过电压 耐受电压 (kV) P.U Impulse Puncture Withstand voltage	工频电压 (有报道) kV 不小于 Power Frequency Voltage (virtual -value) ≥			无线电 干扰 10kV 1MHz Radio interference voltage	可见电弧 电压 (kV) Corona extinction voltage pin/cap	工频电 弧试验 Power frequency arc test	单件 重量 Kg Net weight Per unit
		mm							工频干 耐受电压 (kV) Power frequency dry withstand voltage	1min 湿耐 受电压 (kV) withstand voltage (1min)	击穿 电压 (kV) Puncture voltage				
U70BP/146D	70	146	290	475	16	35	120	2.8	80	40	130	≤50	18/22	0.12s/20kA	6.3
U100BP/146D	100	146	290	475	16	50	120	2.8	80	40	130	≤50	18/22	0.12s/20kA	6.3
U120BP/146D	120	146	290	475	16	60	120	2.8	80	40	130	≤50	18/22	0.12s/20kA	6.3
U160BP/155D	160	155	290	465	20	80	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	8.4
U160BP/170D	160	170	290	465	20	80	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	8.6
U210BP/170D	210	170	290	465	20	105	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	9.0
U240BP/170D	240	170	290	465	24	120	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	10.6
U300BP/195D	300	195	320	485	24	150	130	2.8	85	50	130	≤50	18/22	0.12s/20kA	13.0
U160BP/155T	160	155	320	550	20	80	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	8.9
U160BP/170T	160	170	320	550	20	80	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	9.2
U210BP/170T	210	170	320	550	20	105	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	10.4
U240BP/170T	240	170	320	550	24	120	130	2.8	85	45	130	≤50	18/22	0.12s/20kA	11.3
U300BP/195T	300	195	380	635	24	150	130	2.8	100	50	130	≤50	18/22	0.12s/20kA	15.3
U420BP/205T	420	205	380	635	28	210	130	2.8	110	60	140	≤50	18/22	0.12s/20kA	16.5
U550BP/240T	550	240	380	635	32	275	130	2.8	110	60	140	≤50	18/22	0.12s/20kA	17.5

产品类型

PRODUCT TYPE



直流盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of DC type

绝缘子型号 Model No	机械破坏负荷 kN 不小于 Mechanical Failing load $\geq$	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型号 标记 Connection type	逐个拉伸 负荷试验 (kN) Individual tensile load test	雷电全波 冲击耐受 电压 (峰值) Lightning Impulse Withstand Voltage kV $\geq$	冲击过电压 耐受电压 P.U Impulse Puncture Withstand voltage kV $\geq$	直流1min 干耐受电压 (值) kV, Dry withstand Voltage (1min)	直流1min 湿耐受电压 (值) kV, 不小于 Wet withstand Voltage (1min)	SF6 击穿耐 受电压 $\geq$ kV SF6 Puncture withstand voltage $\geq$ kV	无线电 干扰 10kHz 1MHz Radio interference voltage pin/cap	可见电晕 电压 脚/脚 k(V) Corona extinction voltage pin/cap	单位重量 Kg Net weight Per unit
				mm										
U160BP/170H	160	170	320	550	20	80	140	2.8	150	65	225	≤ 50	≥ 50	9.7
U210BP/170H	210	170	320	550	20	105	140	2.8	150	65	225	≤ 50	≥ 50	10.2
U240BP/170H	240	170	320	550	24	120	140	2.8	150	65	225	≤ 50	≥ 50	10.5
U300BP/195H - 1	300	195	380	635	24	150	150	2.8	170	70	225	≤ 50	≥ 50	16
U300BP/195H - 2	300	195	390	710	24	150	150	2.8	150	70	225	≤ 50	≥ 50	15.4
U420BP/205H	420	205	360	550	28	210	140	2.8	150	65	240	≤ 50	≥ 50	14.6
U420BP/205H - 1	420	205	380	620	28	210	150	2.8	160	70	240	≤ 50	≥ 50	18.9
U550BP/240H	550	240	380	640	32	275	150	2.8	160	70	240	≤ 50	≥ 50	19.1
U550BP/240H - 1	550	240	380	710	32	275	150	2.8	160	70	240	≤ 50	≥ 50	22

球型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Spherical type

绝缘子型号 Model No	机械破坏负荷 kN 不小于 Mechanical Failing load ≥	公称结构 高度 H Nominal Spacing Height	公称直径 D Nominal Diameter	最小公称爬电 距离 L Min Nominal Creepage distance	连接型号 标记 Connection type	紧锁销型 Lock Pin Type	冲击过电压耐受 电压 P.U Impulse Puncture Withstand voltage	工频电压 (有限值) kV 不 大于 Power Frequency Voltage (virtual -value) ≥		单位重量 Kg Net weight Per unit
		mm						1min 湿耐受 电压with- stand voltage (1min)	击穿 puncture	
U70BP/127Q	70	127	255	300	16	W	2.8	45	130	4.5
U70BP/146Q	70	146	255	300	16	W	2.8	45	130	4.6
U100BP/127Q	100	127	255	300	16	W	2.8	45	130	4.6
U100BP/146Q	100	146	255	300	16	W	2.8	45	130	4.7
U120BP/146Q	120	127	255	300	16	R	2.8	45	130	4.6
U120BP/146Q	120	146	255	300	16	R	2.8	45	130	4.7

槽型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Clevis Type

型号Catalog	最小机械 破坏负荷 kN Minimum mechanical failing load	公称直径 D Nominal Diameter	结构 高度 H mm Spacinf H	最小爬电 距离 L Min Nominal Creepage distance	工频干闪 络 kV Power frequency dry flash- over	工频湿闪 络 kV Power frequency wet flash- over	工频击穿 电压 kV Power frequency puncture voltage	无线电干扰 RIV Radio interference voltage		单位重量 Kg Net weight Per unit
								对地试验电压 Test voltage to ground	1MHz最大无 线电干扰电 压 Max. RIV at 1MHz	
U70BP/146C	70	255	146	320	80	50	130	10	≤50	3.6
U100BP/146C	100	255	146	320	80	50	130	10	≤50	4.2
U120BP/146C	120	255	146	320	80	50	130	10	≤50	4.2
U160BP/170C	160	280	170	400	85	55	130	10	≤50	6.1

产品类型

PRODUCT TYPE



地线型盘形悬式玻璃绝缘子主要技术参数

The specifications of toughened glass suspension insulator of Ground wire type

绝缘子型号 Model No		UEG70C	UEG70CN	UEG100C	UEG100CN
最小机械破坏负荷 kN Minimum Mechanical failing load		70	70	100	100
公称直径 D mm Diameter D		200	200	200	200
结构高度 H mm Spacing H		210	210	210	210
最小爬电距离 L mm Min Nominal Creepage distance		217	217	217	217
连接标记 Connection type		16C	16C	16C	16C
额定机械破坏负荷 Mechanical Failing load ≥		70	70	100	100
逐个拉伸负荷试验 (kN) Individual tensile load test		35	35	50	50
工频耐受电压 Power frequency wet withstand voltage		30	30	30	30
工频击穿电压 (kV) Power frequency puncture voltage		130	130	130	130
20mm 间隙工频放电电压 (kV) Power frequency discharge Voltage with gap distance 20mm	上限值 Max	30	30	30	30
	下限值 Min	8	8	8	8
15mm 间隙 2500V 时熄灭能力 Extinguished arc current at power frequency recovery voltage 2500V With gap distance 15mm	感性电流 Inductive current	35	35	35	35
	容性电流 Capacitive current	20	20	20	20
电极耐受能力 (不小于) (min) Electrode arc resistance ability	工频电流 (kA) Power frequency current kA	10	10	10	10
	时间 (S) Time	20	20	20	20
	次数 Frequency	2	2	2	2
连接形式标记 Fittings		16C	16C	16C	16C
悬挂方式		悬垂	耐张	悬垂	耐张
单件重量 (Kg) Unit weight		4.5	4.5	4.5	4.5