

封底

封面

COMPANY INTRODUCTION 公司概况



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。

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.

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江西华耀电气有限公司 Jiangxi Huayao Electric Co., Ltd.



钢化玻璃悬式绝缘子 Toughened 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 insulator is a high-performance electrical equipment composed of tempered glass umbrella skirt, metal accessories, and cement adhesive, which has excellent mechanical strength and electrical insulation performance. Its unique umbrella skirt structure not only increases the creepage distance, but also effectively prevents current leakage, ensuring the safe operation of the power system.

Tempered glass insulators are widely used in high-voltage transmission lines, substations, electrified railways, and industrial electricity. They can withstand harsh environmental conditions such as high temperature, low temperature, humidity, and pollution, while also possessing self-cleaning performance and environmental protection characteristics.

In operation, it is fixed to the tower through metal accessories, supporting the wires and providing electrical insulation. Once damaged, it will completely break, making it easy to quickly detect and replace. With its advantages of high strength, strong weather resistance, and easy maintenance, tempered glass insulators have become an indispensable key component in modern power systems, providing reliable guarantees for the safety and stability of power transmission.



PRODUCT CATALOGUE

主要产品

盘形悬式绝缘子（标准型）

Standard Type Suspension Insulators

绝缘子 型号	公称 直径 D (mm)	结构 高度 H (mm)	公称 爬电 距离 L (mm)	连接 标记 (mm)	额定 机械 破坏 负荷 (kN)	逐个 拉伸 负荷 试验 (kN)	工频 干耐受 电压 DRY (kV)	工频 湿耐受 电压 WET (kV)	冲击过 电压穿 耐受电 压 (kV)	最小工 频击穿 耐受耐 受电压 (kV)	绝缘子 单片 重量 (kg)
IEC type	Diameter D (mm)	Spacing H (mm)	Creepage distance L (mm)	Size of coupling (mm)	Mechanical failing load (kN)	Mechanical routine test (kN)	Power frequency withstand voltage DRY (kV)	Power frequency withstand voltage WET (kV)	Lighting impulse withstand voltage (kV)	Min power frequency puncture voltage (kV)	Net weight per unit (kg)
U40B	178	110	185	11	40	20	40	20	50	130	2.5
U70BL/146	255	146	320	16	70	35	70	40	100	130	3.6
U70BS/127	255	127	320	16	70	35	70	40	100	130	3.5
U100BL/146	255	146	320	16	100	50	70	40	100	130	4
U100BS/127	255	127	320	16	100	50	70	40	100	130	4
U120B/146	255	146	320	16	120	60	70	40	100	130	4.2
U120BS/127	255	127	320	16	120	60	70	40	100	130	4
U160BL/170	280	170	400	20	160	80	75	45	110	130	6.5
U160B/155	280	155	450	20	160	80	75	45	110	130	6.3
U160B/155	280	155	400	20	160	80	75	45	110	130	6.3
U160BS/146	280	146	400	20	160	80	75	45	110	130	6.3
U210B/170	280	170	460	20	210	105	85	45	125	130	6.9
U210B/170	280	170	400	20	210	105	75	45	110	130	6.9
U240B/170	280	170	400	24	240	120	75	45	110	130	6.9
U240B/170	280	170	460	24	240	120	85	50	110	130	6.9
U300B/195	320	195	485	24	300	150	85	50	130	130	10.6
U420/205	360	205	550	28	420	210	90	55	140	130	16.0
U550B/240	380	240	620	32	550	275	95	55	145	130	21.5

耐污盘形悬式绝缘子（钟罩型）

Fog Type Suspension Insulators

绝缘子 型号	公称 直径 D (mm)	结构 高度 H (mm)	公称 爬电 距离 L (mm)	连接 标记 (mm)	额定 机械 破坏 负荷 (kN)	逐个 拉伸 负荷 试验 (kN)	工频 干耐受 电压 DRY (kV)	工频 湿耐受 电压 WET (kV)	冲击过 电压穿 耐受电 压 (kV)	最小工 频击穿 耐受耐 受电压 (kV)	绝缘子 单片 重量 (kg)
IEC type	Diameter D (mm)	Spacing H (mm)	Creepage distance L (mm)	Size of coupling (mm)	Mechanical failing load (kN)	Mechanical routine test (kN)	Power frequency withstand voltage DRY (kV)	Power frequency withstand voltage WET (kV)	Lighting impulse withstand voltage (kV)	Min power frequency puncture voltage (kV)	Net weight per unit (kg)
U70BP/146	260	146	400	16	70	35	80	45	110	130	5.0
U70BLP/146	280	146	450	16	70	35	85	50	125	130	5.5
U70BP/146	320	146	550	16	70	35	90	55	140	130	7.5
U100BLP/146	260	146	400	16	100	50	80	45	110	130	5.0
U100BLP/146	280	146	450	16	100	50	85	50	125	130	5.5
U100BP/146	320	146	550	16	100	50	90	55	140	130	7.5
U120BLP/146	260	146	400	16	120	60	80	45	110	130	5.0
U120BP/146	280	146	450	16	120	60	85	50	125	130	5.5
U120BP/146	320	146	550	16	120	60	90	55	140	130	7.5
U160BSP/155	280	155	450	20	160	80	85	50	125	130	7.0
U160BP/170	280	170	450	20	160	80	85	50	125	130	7.2
U160BLP/170	320	170	550	20	160	80	90	55	140	130	9.2
U160BP/155	320	155	550	20	160	80	90	55	140	130	9.0
U160BSP/146	320	146	550	20	160	80	90	55	140	130	8.8
U210BP/170	320	170	550	20	210	105	90	55	140	130	10.0
U240BP/170	320	170	550	24	240	120	90	55	140	130	10.5
U240BP/170	320	170	550	20	240	120	90	55	140	130	10.5
U300BP/195	390	195	710	24	300	150	95	60	150	130	14.0
U300BP/195	380	195	635	24	300	150	95	60	150	130	14.0
U420BP/205	380	205	620	28	420	210	90	55	140	130	16.5
U550BP/240	380	240	650	32	550	275	95	55	145	130	20.5
U550BP/240	380	240	710	32	550	275	95	60	145	130	20.5
U760BP/280	420	280	700	36	760	380	90	55	140	130	22
U840BP/300	420	300	710	40	840	420	95	60	145	130	24.5

盘形悬式绝缘子（空气动力型）

Aerodynamic Type Suspension Insulators

绝缘子 型号	公称 直径 D (mm)	结构 高度 H (mm)	公称 爬电 距离 L (mm)	连接 标记 (mm)	额定 机械 破坏 负荷 (kN)	逐个 拉伸 负荷 试验 (kN)	工频 干耐受 电压 DRY (kV)	工频 湿耐受 电压 WET (kV)	冲击过 电压穿 耐受电 压 (kV)	最小工 频击穿 耐受耐 受电压 (kV)	绝缘子 单片 重量 (kg)
IEC type	Diameter D (mm)	Spacing H (mm)	Creepage distance L (mm)	Size of coupling (mm)	Mechanical failing load (kN)	Mechanical routine test (kN)	Power frequency withstand voltage DRY (kV)	Power frequency withstand voltage WET (kV)	Lighting impulse withstand voltage (kV)	Min power frequency puncture voltage (kV)	Net weight per unit (kg)
U170BP/146M	380	146	365	16	70	35	55	45	90	130	5.3
U100BP/146M	380	146	365	16	100	50	55	45	90	130	5.2
U120BP/146M	380	146	365	16	120	60	55	45	90	130	5.4
U160BP/155M	420	155	380	20	160	80	60	50	95	130	7.2
U210BP/170M	420	170	380	20	210	105	60	50	95	130	7.3
U240BP/170M	420	170	380	24	240	120	60	50	95	130	7.5



玻璃绝缘子工艺流程

Technological Process



窑炉
Furnace



自动化生产线
Automatic production line



冷热冲击
Thermal shock chambercold pyroschock box



质检
Appearance quality inspection



自动化胶装线
Automatic cementing line



养护
Curing



拉伸负荷试验
Mechanical test



机械破坏负荷试验
Mechanical failing load test



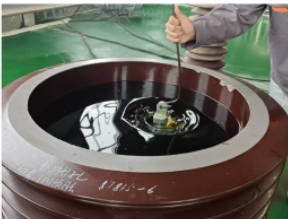
温度循环试验
Temperature cycle test



尺寸偏差与锁紧销检查
Verification of the displacement
And coupling size test



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