



**BPG**  
BAYUN POWER GROUP

**Centennial BPG**

**Worldwide BPG**

Proficiency Sincerity Innovation Visionary

# Overview of the Group

Baiyun Power Group Co., Ltd. (BPG) began its business in the iron forging industry in 1979 and has consistently focused on the electric power and energy sector. The company is committed to being a practitioner and pioneer of green and smart energy, providing customers with integrated solutions for green smart energy, energy savings, and low-carbon solutions, covering source, grid, load, and storage. Headquartered in Guangzhou, BPG owns 21 production bases, and its products and services include clean energy power generation, flexible transmission, intelligent substation and distribution, and intelligent power consumption, among others. The product voltage range spans from 0.4 kV to 1100 kV, making BPG one of the companies in China with the most comprehensive product chain in its industry.

BPG focuses on customer demand and is built on a solid industrial foundation and a complete product chain. By fully leveraging technologies such as cloud computing, big data, the Internet of Things (IoT), artificial intelligence (AI), and mobile internet, BPG has developed many industry-leading solutions, including smart urban rail, smart water management, smart healthcare, smart metallurgy, renewable energy, digital industries, shore power for ports, smart low-carbon buildings, smart low-carbon factories, and smart low-carbon parks.

BPG, its subsidiaries, and affiliated companies have been recognized as National Innovative Enterprises and National Model Enterprises for Technological Innovation. The company also boasts a nationally recognized enterprise technology center, testing center, and postdoctoral research station, and has won two special prizes for National Scientific and Technological Progress, one first prize, one second prize, and four Chinese patent awards. The company has also been honored as a "Special Contribution Unit for UHV Technology" by the State Grid.



## Development History



Hu's family started the business in ironwork  
Origin of Business, Culture and Spirit



Manufacture of electrical distribution boxes  
Formally engaged the power equipment manufacturing filed



Joint ventures, mergers and acquisitions  
Complete power equipment industry chain



Practitioner and pioneer of green and smart energy



Established a hardware processing factory, transitioning from blacksmithing to machining



Specialized in manufacturing medium and low voltage power distribution equipment



Integrated power & energy solution service provider

# R&D Capability

BPG and its core member companies have participated in the formulation of more than 60 national and industry standards, possessing more than 500 core patents, more than 10 leading technologies, and 4 national science, BPG has established National Certified Enterprise Technology Center, National Certified Testing Center.



National Prize for Scientific and Technological Progress (Grand Prize)



National Prize for Scientific and Technological Progress (Grand Prize)



National Prize for Scientific and Technological Progress (The First Prize)  
—Development and Industrialization of



National Prize for Scientific and Technological Progress (The Second Prize)  
—Key Technologies and Applications of



# Innovative Achievements

## Multiple world-leading achievements

HV bushings (covering all voltage levels and insulation types), glass insulators (with a strength rating of 1000KN, the highest in the world), DC composite insulators, AC/DC capacitor devices, capacitive voltage transformer, glass fiber reinforced plastic, dry-type bushings, fast charging systems, IEC 61850 relay protection, big data platform for urban rail transit power supply system, intelligent O&M large model for power equipment, UHV flexible DC converter valve ( $\pm 800\text{kV}/5000\text{MW}$ ).

## Multiple domestic-leading achievements

HV frequency conversion equipment technology, large-capacity UPS technology, switchgear technology (LV to HV), C-GIS technology, GIS technology, 80kA vacuum interrupter technology, capacitor technology, power router, rail transit DC traction technology, industrial real-time database RdbPlus with millions of nodes, IoT gateway dataHub, and the electromechanical IoT cloud platform (Econworx), "Tianlin" Integrated primary-secondary edge platform for power equipment, aerogel material.

# Six Business Segments

Focus on the six business segments of digitalization, power electronics, renewable energy, new services, materials and material applications, and complete sets of equipment.



## Digitalization

Smart IoT, energy-saving and carbon-reduction, digital industry, electrician cloud platform...



## Power Electronics

Flexible DC transmission, power conversion, flexible connection, high-quality power supply...



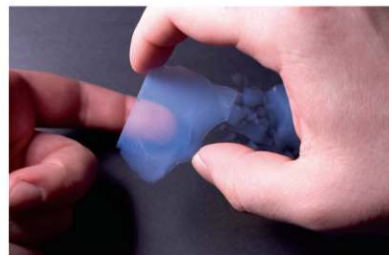
## Renewable Energy

EPC for PV and Wind Power, innovative solutions for ESS, EV charging and AC/DC hybrid distribution networks



## New Services

Power design, science and technology innovation, testing and certification, industry incubation, international trade ...



## Materials and Material Applications

Dielectric, thermal insulation, fire-resistant, electrically conductive



## Complete Equipment (Listed on Stock Exchange)

Switchgear, transformer, capacitor, Instrument transformer

# Comprehensive Solutions

Developing several industry-leading exemplary solutions



### Smart Urban Railway

We deliver integrated solutions for intelligent O&M of urban rail power systems using cloud computing, big data, AI, and related technologies.



### Smart Waterworks

Smart water systems use big data, IoT, and AI to analyze water data in real time, improving decision-making and operational management.



### Smart Healthcare

Our energy management platform enables end-to-end issue monitoring and resolution with integrated KPI tracking.



### Smart Metallurgy

We deliver power quality control, DC smelting power, and efficiency systems for energy-intensive smelting — boosting energy use and cutting emissions.



### Smart Energy

We research intelligent/digital energy technologies and core components, providing sustainable, safe, and efficient smart energy solutions for the full energy chain.



### Digital Industry

BPG's cloud-based platform uses intelligent micro-services to deliver one-stop digital factory solutions for equipment manufacturers.



### Port Shore Power

We deliver intelligent maritime shore power solutions for terminals, enabling clean energy, smart operations, and low-carbon port development.



### Zero-Carbon Digital Intelligent Building

The system integrates building subsystems — air conditioning, lighting, power, access control, and parking — enabling automated control, energy efficiency, and intelligent operations management.



### Smart Low-carbon Factory

BPG delivers smart factory solutions and integrated source-grid-load-storage platforms to enable low-carbon, intelligent operations.



### Green Low-carbon Park

Our integrated smart park solutions cover power, storage, charging, and management—delivering safe, sustainable, efficient operations from design to O&M while cutting costs.

# Overseas Achievements



HVDC power transmission project in motija to Lahore, Pakistan



900MVA & 60MVA, 220kV power transformer for 900MW liquified natural gas power projects of Ministry of Electricity and Energy of the Government of Myanmar



Complete 132kV power substation equipment supply of Sreepur 150±10%MW (BRPL) HFO based power plant project, Bangladesh



2 sets ±500kV/3000MW VSC-HVDC converter valves for Riyadh-Jeddah HVDC project, Saudi Arabia



Turkey's 600 MW backrest transfer station project



Package P219-IS03 for 765KV S/C Satna-Gwalior (CKTI&I) transmission line associated with Rihand-I & Vindhyachal-IV(PART-II)



UK Race Bank 2 × ±120MVar STATCOM project



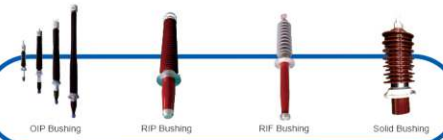
3 sets 400kV, ±300MVar India STATCOM project

# Main Products

## Insulators 35kV-1000kV



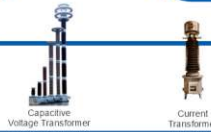
## HV Bushings 12kV-1000kV



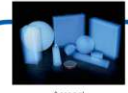
## Transformers 12kV-500kV



## Instrument Transformers 35kV-1000kV



## New Materials



## HV Switchgears 66kV-220kV



## MV Switchgears 12kV-35kV



## Prefabricated Substations 0.4kV-35kV



## Power Cables & Wires 0.4kV-220kV



## LV Switchgears 0.4kV-0.69kV



## Power Capacitors & Capacitor Banks 12kV-1000kV



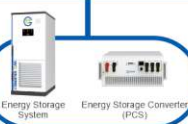
## Power Electronic Products



## MV Apparatus 12kV-35kV



## Energy Storage Products



## VSC-HVDC Up to ±800kV



## Automation Products



# Worldwide Footprint

150+  
Countries with Sales Performance

7  
Overseas Operations

2  
Overseas Production Bases



## Practitioner and Pioneer of Green and Smart Energy

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