SANHE

POWER TECH



三和电力
SANHE POWER TECH

Address: Floor 1-3 Building 6,2nd Industrial Park,Guanlong Xili,Nanshan District,Shenzhen,PRC
Factory Address: Building 1, Zhonglian Sunshine Science&Technology Park, No.35, Gu'an South Road, Maxiang Town, Xiang'an District, Xiamen City ,China.
Website: //www.sanhenergy.com

三和电力
SANHE POWER TECH



Contents

01 Compnay Profile

03 Certification&Honor

05 Performance

08 Create Maximum Value

09 Research And Development Strength

11 Energy Saving,Loss And Carbon Reducing Solution

13 Sanhe One-stop Electrical Equipment Solution

15 Intelligient Integration And Dual-Carbon Energy Efficiency Management

Company Profile

In the past over 20 years,Sanhe got over 100 certificates in copyright,patents,standard etc.

National High-tech Enterprise Certificate

AAA Credit Certificate

28 Patents

24 Software Copyright

37 International and China standards

CE, CQC, SGS ,GOST,CNAS Certificates

Shenzhen SRDI Enterprise etc.

Sanhe Power Tech is a member of international committees such as:
the International Electrotechnical Commission (IEC),
the Institute of Electrical and Electronics Engineers (IEEE) etc,
The software development system has passed the CMMI evaluation of the American SEI.

There are three main business covering:
A full range of power quality testing and governance products and complete solutions,
Distributed new energy system products and advanced solutions,
Primary and secondary engineering based on "dual carbon" and energy management with standardized and professional engineering services.

















Certification & Honor

National High-tech Enterprise Certificate
AAA Credit Certificate
28 Patents
24 Software Copyright
37 International and China standards
CE, CQC, SGS ,GOST,CNAS Certificates
Shenzhen SRDI Enterprise etc.

Enterprise qualification



Product Test



Standard



Patent



Copyright



Performance

Power Generation-New Energy



Xinjiang Kuche Hydrogen Project

Power Generation-thermal power generation



Hangzhou Linjiang Environmental Energy Engineering Household Waste Incineration Power Generation Project

Power Supply And Distribution-charger station



Wanma Electrical Vehical Station
Providing SVG power quality solution

Power Supply And Distribution-transformer station



Shanghai Eric 35kV substation project

Industry-Basic Manufacture



Pakistan Cement PFI CAPACITOR PLANT



Uzbekistan Ahangaran 6200TPD Clinker



ZhongKe(Guangdong) Refinery&Petrochemical Company Limited project



Inner Mongolia Huineng Coal Chemical Co., Ltd. coal-to-natural gas phase II project



SINOPEC and SABIC (Tianjin) Petrochemical Base



Aromatics Production Complex in Atyrau Refinery, Kazakhstan



Congo (Kinshasa) LONSHI Copper Mine Project

Commercial Building



Guangdong (Tanzhou) International Convention and Exhibition Center



Shenzhen hospital project for harmonic filtering solution

Civil Facilities



Urban rail transit



SZ Luohu District Electrical Network Upgrade Project



Shanghai Bailonggang Sewage Treatment Plant
Asia's largest sewage treatment plant, providing reactive power compensation solutions.



Cameroon Water Plant Project



West-East Gas Pipeline
World-class natural gas pipeline engineering, providing power quality products, services and solutions.

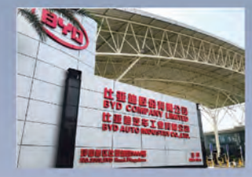


South-to-North Water Diversion
Major water resource allocation project across regions and river basins benefits the present and future generations. Providing a solution of reactive power compensation



Underground Experiment
National major scientific and technological infrastructure

Industry-Precision Manufacture



BYD Single crystal furnace plant

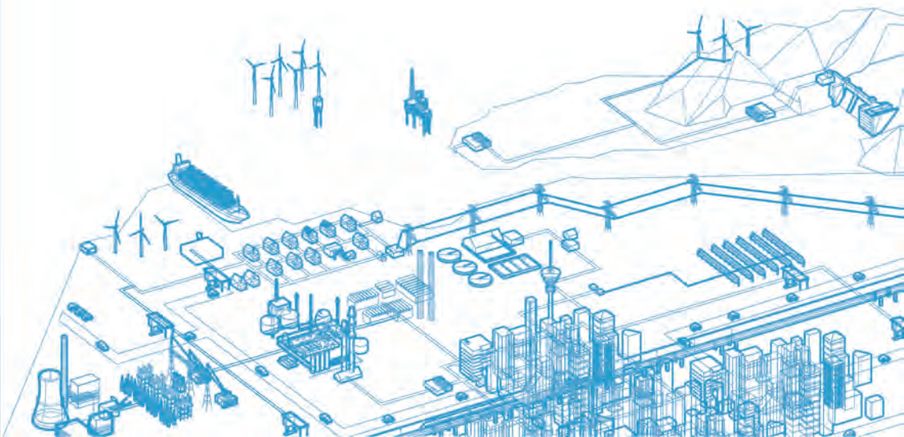


Electric Glass Plant

Create Maximum Value For Customers

Sanhe products and service have been supplied to over 40 foreign countries in over 4000 projects covering all of industrial fields.Over 30 clients are from Fortune Global 500.

The typical fields including:
Petrochemical industry
Electricity network
Power industry
Construction and building
Railway industry
High-tech equipment manufacture industry
Communication industry
Digital center
Metallurgy
Harbor and airport
Industrial park
.....



Research and Development Strength

- Over 20 years focusing on electric power technology
- Over 10% of total sales in R&D per year
- 38% of the total staff in investment R&D
- 60% technical personnel among the total staff
- 1 doctor and more than 10 masters for R&D
- 28 Patents
- 24 Software Copyright
- 37 International and China standards
- Cooperating with universities like Tsinghua,Xi'an Jiaotong University etc.
- IPD integrated product development+CMMI software maturity model
- Updated solution and product for new energy field





















System Integration

- Power replenishment
- Reduce loss
- Power conservation

Energy Saving,Loss And Carbon Reducing Solution

Introduction

Sanhe provides new energy and energy storage to add enegry supply, power quality products to reduce loss and high efficient motor and EMS to save energy by reducing user electricity bill. With over 20 years technology experience and innovation, Sanhe can provide professional energy saving ,comsumption-reduction and carbon-reduction solution and smart energy commpensive service.

Application

- Industrial and commercial parks
- Industrial new energy systems
- Islands,off-grid systems in remote areas
- Residental area

三和电力
SANHE POWER TECH

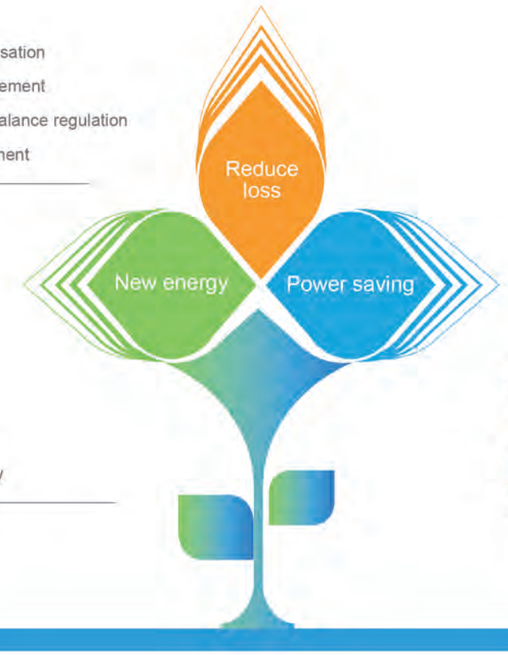
www.sanhenergy.com
yvonne.zhang@samwha-cn.com

Program characteristics

SPMS and cloud platform | Energy storage | Multifunctional power conversion control device | Modular type | One-stop delivery

Program Description

- Reactive compensation
- Harmonic management
- Three-phase unbalance regulation
- Voltage management



- Wind power
- Photovoltaic
- Energy storage
- Other new energy

- Permanent magnet synchronous motor and other advanced equipment
- Professional energy management
- Productionlean management

Auxiliary Product



High\low voltage static var generator device



Active power filter device



Three-phase unbalance regulation device



Dynamic voltage restorer



Energy management platform



- Transformer
- Switchgear
- Motor
- Central Worker Station
- E-house type electrical equipment

Sanhe One-stop Electrical Equipment Solution

With over 20 years project experience in the industrial fields, Sanhe has finished over 4000 projects since 2002.The solution and products are widely accepted by industrial users.

Application

- Power Generation
- PTD(power transmission and distribution)
- Power consumer

三和电力
SANHE POWER TECH

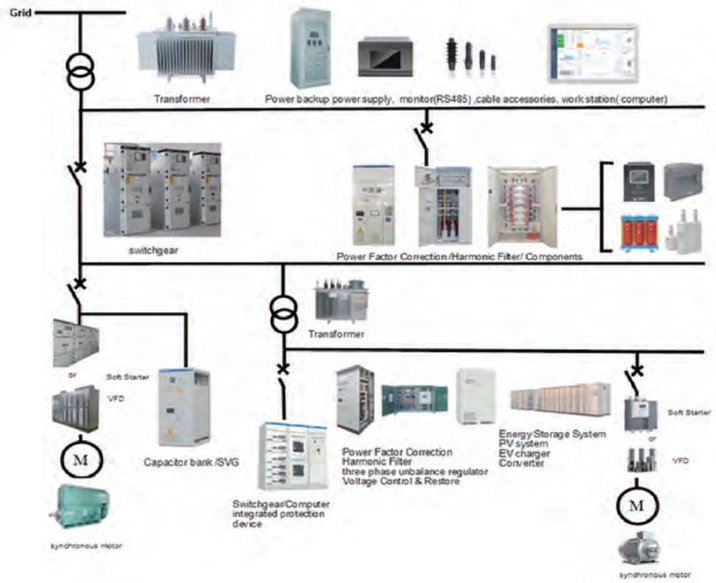
www.sanhenergy.com
yvonne.zhang@samwha-cn.com

What can we supply ?

1. Retrofit project.
   - Replacement product.
     With your original nameplate and requirement,we can give you substitute solution.
   - New generation product update
     Replacing with synchronous motor, power quality products etc.
2. New project.
   - All package equipment per your drawing.
   - Technical consultancy for equipment selection and supply.
3. Other customization service

Welcome to contact us for any queries!

Main Electrical Equipment



E-house type electrical equipment

1. Medium voltage and low voltage switchgear, critical power equipment and automation cabinets.

Medium voltage switchgear
Medium/low voltage drive system （VFD)
Distribution transformer
UPS and DC power supply
Wiring of main device and internal cables
HVAC system(air conditioner)
process control system organization
Fire and gas extinguishing system
electrical energy management systems

2. Power quality equipment

tatic Var Generator (control cabinet, power cabinet, reactance cabinet)
Wiring of main device and internal cables
HVAC system
Process control system organization
Fire and gas extinguishing system
Electrical energy management system

3. Other system integration equipment

Battery Energy Storage System:
A bidirectional inverter
AC line voltage and the DC battery terminals
Isolation transformer
Protection devices
Fire and gas extinguishing system
HVAC system(air conditioner)
Battery Management system

System Integration



Intelligent Integration And Dual-carbon Energy Efficiency Management

Introduction

Sanhe Power Tech is a technology-oriented company that integrates consulting, research and development, design, construction management, equipment manufacturing, operation and maintenance and other business. It has the comprehensive capabilities of professional system engineering contracting and equipment manufacturing. It has a professional system design, project implementation and after-sales service team,which aims to provide customers with professional engineering construction services.

Application

- Power supply and distribution construction and renovation projects
- Intelligent information system construction and transformation
- Construction of distributed new energy system
- Data center system construction
- Comprehensive operation and maintenance management of strong and weak electricity projects

三和电力
SANHE POWER TECH

www.sanhenergy.com
yvonne.zhang@samwha-cn.com

Competitive Advantage

- Mature program management capability
- Reliable technical expertise
- Strong business development ability
- Efficient resource integration ability
- Comprehensive service operation capability

Engineering Service

- Power supply and distribution system set-up
- Smart construction
- Data center set-up
- New energy set-up
- Comprehensive maintenance service

Supporting Qualification



Building Engineering Certificate



Safety Production Certificate



Building Engineering Certificate



Software Certificate



Design,Construction and maintenace Certificate