



品质电力，首选中亿！
FOR QUALITY ENERGY, TRUST ZELECT!

产品手册

PRODUCT BROCHURE

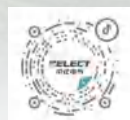
保定中亿电气集团有限公司

BAODING ZHONGYI ELECTRIC CORPORATION

地址：河北省保定市清苑区

Add: Qingyuan District, Baoding City, Hebei Province

网址 Company website: www.zydqjt.com / www.goodtransformer.com



抖音



公众号

保定中亿电气集团有限公司

BAODING ZHONGYI ELECTRIC CORPORATION



 **80000+**
平方米厂房面积

80000+ square meters factory building

 **30+**
项核心专利

30+ core patents

 **15年+**
企业发展历程

15 years of enterprise development

 **1.06亿+**
注册资本

106 million registered capital

ABOUT ZELECT 关于中亿

保定中亿电气集团有限公司始创于2011年，是一家国家级高新技术企业，专注于变压器及高低压成套设备的研发、设计、生产、销售与一体化服务。公司厂区总占地56000平方米，建筑面积40000平方米，现有员工260名，其中技术人员占比20%。公司下设保定电谷新能源有限公司、保定中亿电气集团进出口有限公司两大子公司，是国内外极具影响力的电力设备专业供应商，凭借优质产品、创新技术和完善服务斩获多项行业荣誉，深受客户与行业认可。

深耕行业十余载，公司拥有30余项自主专利，通过ISO三体系、CE、IEC等国内外权威认证，搭建了全流程一站式服务体系。企业紧跟智能电网与新能源发展战略，布局多站合一预装式智慧能源站业务，打造交直流混联综合智慧能源系统。产品广泛应用于火电、核电、风电、轨道交通、石油化工等诸多领域，业务覆盖全球50余个国家和地区。

2026年全新厂区正式投产，产品电压等级升级至330kV，全面升级智能制造与产能规模，持续深耕高端电力装备领域，赋能国内外电力基础设施高质量建设。

Founded in 2011, Baoding Zhongyi Electric Group Co., Ltd. is a national high-tech enterprise specialized in the R&D, design, production, sales and integrated services of transformers and high and low voltage complete electrical equipment. Covering a land area of 56,000 square meters and a building area of 40,000 square meters, the company has 260 employees, 20% of whom are professional technical personnel. It owns two subsidiaries, Baoding Diangu New Energy Co., Ltd. and Baoding Zhongyi Electric Group Import & Export Co., Ltd. As a globally influential professional power equipment supplier, it has won numerous industry honors and wide recognition with high-quality products, innovative technologies and comprehensive services.

With over ten years of industry experience, the company holds more than 30 independent patents and has passed ISO management system certifications, CE, IEC and other authoritative global certifications, establishing a complete one-stop service system. Following the development strategies of smart grids and new energy, the company develops multi-station integrated prefabricated smart energy stations and builds AC-DC hybrid integrated smart energy systems. Its products serve thermal power, nuclear power, wind power, rail transit, petrochemical and other fields, covering more than 50 countries worldwide.

In 2026, the new production base was officially put into operation, with the product voltage grade upgraded to 330kV. The company has comprehensively improved its intelligent manufacturing capacity, focusing on high-end power equipment to empower the high-quality development of global power infrastructure.

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2008



佛山柏奥变压器铁芯制造有限公司
Foshan Baiao Transformer Core
Manufacturing Co., Ltd

2014

组建干变事业部

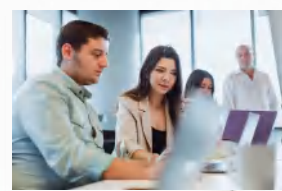
Establish the Dry
Transformer Division



2017

组建国际贸易部

Establish an International
Trade Department



2019



成立技术研发中心

Establish a technology
research and development
center

2021



企业再造自动化运转

Automated operation of
enterprise reengineering

2023



新厂落成，建立集团品牌

New factory completed,
establishing group brand

2026

建设3kV~330kV新工厂

Build a New 3kV-330kV Factory



2011



保定中亿成立

Baoding Zhongyi was established

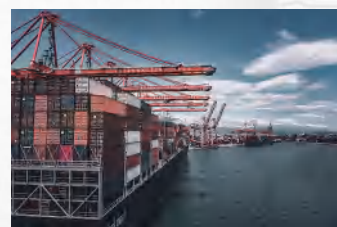
2016

成为高新技术企业，组建成套事业部

Become a high-tech enterprise
and establish a complete set of
business units



2018



组建电力工程事业部

Establish the Power
Engineering Division

2020

成为天威保变战略合作企业

Become a strategic cooperative
enterprise of Tianwei Group



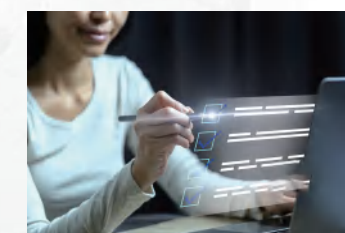
2022

质量管理体系全线升级

Upgrade the quality management
system across the board



2024



搭建云平台监控中心

Build a cloud platform
monitoring center

01 公司风貌

COMPANY PROFILE



02 生产场景

PRODUCTION SCENARIOS



我们的工厂

OUR FACTORY

先进的生产基地，完善的生产体系，
确保产品品质与交付效率。

Advanced production facilities and
a complete production system ensure
product quality and delivery efficiency.



我们的工厂
OUR FACTORY



我们的工厂 OUR FACTORY



03 我们的设备 OUR EQUIPMENT

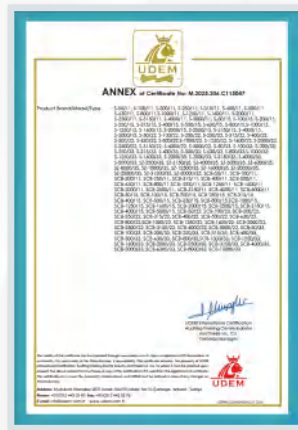


荣誉资质
HONORS

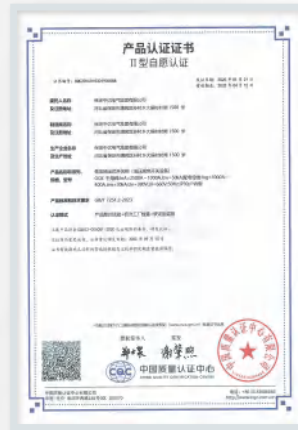


资质证书
CERTIFICATE

CE



CCC



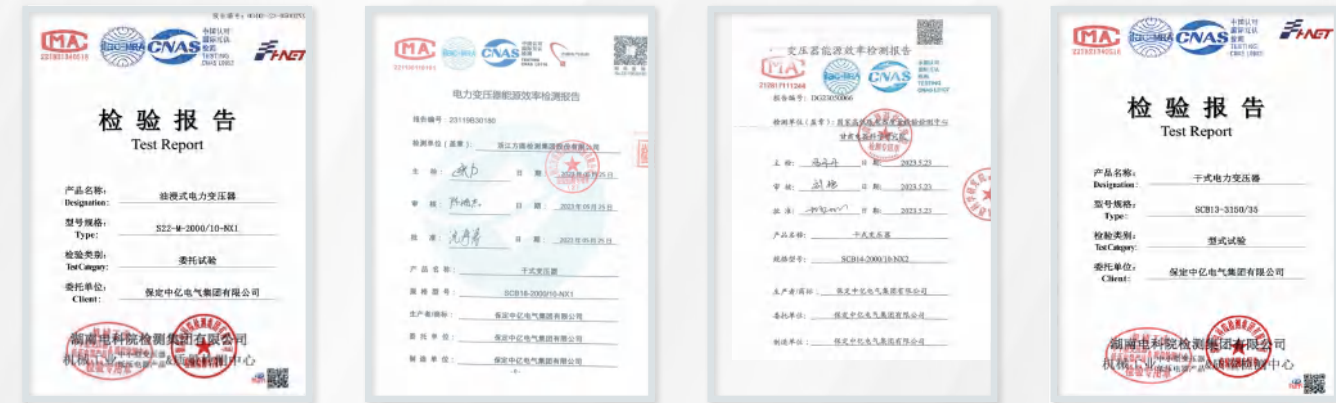
IEC



实验报告
TEST REPORT



实验报告
TEST REPORT

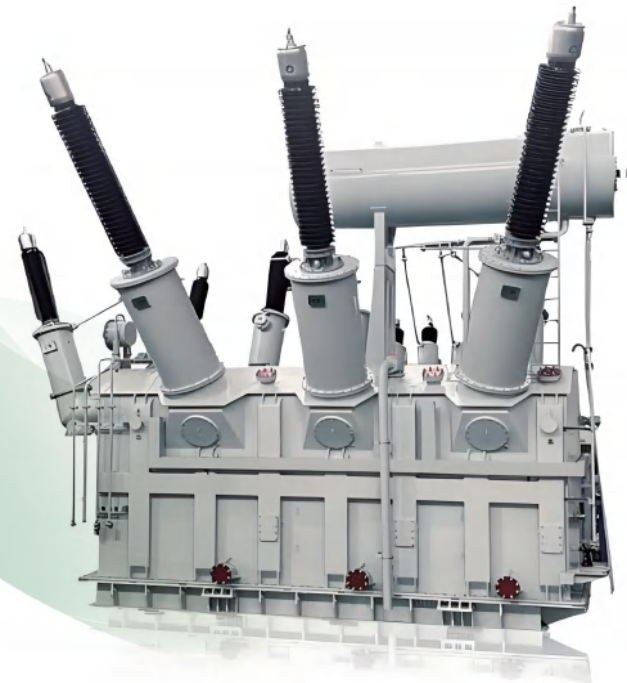


专利证书
PATENT CERTIFICATE



01

电力变压器
POWER TRANSFORMER



- 1.中亿电气利用成熟的科研成果及计算机软件与国外技术相结合，对110~330kV级电力变压器的电、磁、热、力进行优化分析，使产品始终保持低局放、低损耗、低噪音、高可靠性。产品结构更完美、性能更稳定。为广大用户提供各种规格的高质量产品。其批量生产能力不断提高。
 - 2、本公司产品SZ22-63000/110-NX1通过国家变压器质量监督检验中心短路承受能力及所有例行型式试验。
 - 3、本产品具有稳定、信赖、经济、环保的特点，适用于发电厂、变电站、大型工矿石化企业等。
- 1.Leveraging proven research achievements, advanced computer software and international technologies, Zhongyi Electric conducts multi-dimensional optimization analysis on the electrical, magnetic, thermal and mechanical performance of 110~330kV power transformers. This enables our products to feature low partial discharge, low power loss, low noise and high reliability, with optimized structure and more stable performance. We supply high-quality trans formers of various specifications to customers worldwide, and our mass production capacity keeps expanding steadily.
 - 2.Our product SZ22-63000/110-NX1 has passed the shortcircuit withstand capacity and allroutine type tests of theNational Transformer Quality Supervision and Inspection Center.
 - 3.This product is stable, reliable, economical and environmentally friendly, and is suitable for power plants, substations, large industrial and miningpetrochemical enterprises,etc.

330千伏电力变压器
330kV Power Transformer

电力变压器
Power Transformer

330kV油浸式三相双绕组无励磁调压电力变压器
330kV Oil-immersed three-phase double-winding unexcited voltage regulating power transformer

额定容量(MVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压 HV	分接范围 tapping range	低压 LV					
9000	345 363	±2×2.5	10.5 13.8 15.75 18 20	YNd11	37	247	14~15	0.35
120000					47	306		0.35
150000					56	362		0.33
180000					64	415		0.30
240000					80	515		0.27
360000					109	722		0.27
370000					111	736		0.24
400000					118	780		0.24
720000					183	1212		0.16

330千伏油浸式三相三绕组无励磁调压电力变压器
330kV Oil-immersed three-phase three-winding unexcited voltage regulating power transformer

额定容量(MVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压 HV	分接范围 tapping range	低压 LV					
90000	330 345	±2×2.5	10.5 13.8 15.75	YNyn0d11	42	302	HV~MV: 24~26 HV~LV: 14~15 MV~LV: 8~9	0.37
120000					53	374		0.37
150000					63	442		0.34
180000					72	507		0.34
240000					89	629		0.32

220千伏电力变压器

220kV Power Transformer

电力变压器

Power Transformer

220kV油浸式三相双绕组无励磁调压电力变压器

220kV Oil-immersed three-phase double-winding unexcited voltage regulating power transformer

额定容量(MVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current	
	高压	分接范围	低压						
	HV	tapping range	LV						
31500	220 242	±2×2.5	6.3 6.6	YNd11	15	115	12~14	0.45	
40000					18	134		0.45	
50000					21	161		0.42	
63000					25	188		0.42	
75000					29	213		0.38	
90000			10.5 13.8		34	246		0.35	
120000					41	304		0.35	
150000					49	360		0.32	
160000					51	378		0.31	
180000			10.5 13.8		56	413		0.29	
240000					70	484		0.26	

220kV油浸式三相三绕组无励磁调压电力变压器

220kV Oil-immersed three-phase three-winding unexcited voltage regulating power transformer

额定容量(MVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance		空载电流 (%) No-load Current
	高压	分接范围	低压				升压	降压	
	HV	tapping range	LV				Boost	Decompression	
31500	220 230 242	±2×2.5	6.3	YNyn0d11	18	138	HV~MV: 22~24 HV~LV: 12~14 MV~LV: 7~9	HV~MV: 12~14 HV~LV: 22~24 MV~LV: 7~9	0.45
40000			6.6		21	165			0.4
50000			10.5		24	194			0.35
63000			21		29	231			0.35
90000			36		37	300			0.31
120000			37		46	369			0.31
150000			38.5		55	438			0.26
180000			10.5 13.8		62	500			0.26
240000			21, 36		72	616			0.22
300000			37, 38.5		91	726			0.19
			10.5 13.8 15.75						
			21 36 37 38.5						

220千伏电力变压器

220kV Power Transformer

电力变压器

Power Transformer

220kV油浸式三相双绕组有载调压电力变压器

220kV Oil-immersed three-phase double-winding on-load voltage regulating power transformer

额定容量(kVA) Rated Capacity		额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
		高压	分接范围	低压					
		HV	tapping range	LV					
31500		220 230	±4×1.25 ±6×1.25 ±8×1.25	6.3	YNd11	17	115	12~14	0.46
40000				6.6		20	134		0.46
50000				10.5		24	161		0.42
63000				21		28	188		0.42
90000				10.5		35	246		0.36
120000				21		43	304		0.36
150000				36		51	360		0.33
180000				37		59	413		0.30
180000				38.5		77	504		0.30
120000	LV 66kV 69kV					66 69			45
150000		53	355		0.33				
180000		62	406		0.30				
240000		77	504		0.24				

220kV油浸式三相三绕组有载调压电力变压器

220kV Oil-immersed three-phase three-winding on-load voltage regulating power transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	抗阻电压 (%) Impedance voltage	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
31500	220 230	±4×1.25 ±6×1.25 ±8×1.25	6.3	YNyn0d11	19	138	HV~MV: 12~14 HV~LV: 22~24 MV~LV: 7~9	0.5
40000			6.6		23	165		0.48
50000			10.5		26	194		0.48
63000			21		31	231		0.44
90000			36		40	300		0.35
120000			37		51	369		0.35
150000			38.5		59	438		0.31
180000			10.5 13.8		68	538		0.31
240000			21, 36		85	667		0.28
			37, 38.5					
			10.5 13.8 15.75					
			21 36 37 38.5					

110千伏电力变压器

110kV Power Transformer

电力变压器

Power Transformer

110kV油浸式三相双绕组无励磁调压电力变压器

110kV Oil-immersed three-phase double-winding unexcited voltage regulating power transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	抗阻电压 (%) Impedance voltage	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
6300	110 151 121	±2×2.5%	6.3 6.6 10.5	YNd11	4.1	32	10.5	0.5
8000					4.9	38		0.5
10000					5.8	45		0.46
12500					6.8	53		0.46
16000					8.3	65.7		0.43
20000					9.7	79		0.43
25000					11.4	94		0.4
31500					13.5	111		0.38
40000					16.2	133		0.36
50000					19.4	158		0.34
63000					22.9	187		0.3
75000					26.0	212	12-14	0.26
90000		13.8 15.75 18 21			29.9	245		0.24
120000					37.3	303		0.22
150000					44.1	359		0.19
180000					49.5	411		0.16

110kV油浸式三相三绕组无励磁调压变压器

110kV Oil-immersed three-phase three-winding unexcited voltage regulator transformer

额定容量(MVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance		空载电流 (%) No-load Current
	高压	分接范围	低压				升压	降压	
	HV	tapping range	LV				Boost	Decompression	
6300	110 151 121	±2×2.5%	36 37 38.5	YNyn0d11	4.9	40	HV~MV: 17.5~18.5	HV~MV: 10.5	0.53
8000					5.8	48			0.5
10000					6.9	56			0.47
12500					8.1	67			0.45
16000					9.8	81	HV~LV: 10.5	HV~LV: 17.5~19	0.42
20000					11.6	95			0.42
25000					13.5	113			0.38
31500					16.2	134			0.38
40000					19.1	161	HV~LV: 6.5	HV~LV: 6.5	0.35
50000					22.9	192			0.35
63000					27.1	230			0.32

110千伏电力变压器

110kV Power Transformer

电力变压器

Power Transformer

110千伏油浸式三相双绕组有载调压电力变压器

110kV Oil-immersed three-phase double-winding on-load voltage regulating power transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	抗阻电压 (%) Impedance voltage	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
6300	110	±4×1.25% ±6×1.25% ±8×1.25%	6.3 6.6 10.5 21	YNd11	4.4	32	10.5	0.51
8000					5.3	38		0.51
10000					6.2	45		0.47
12500					7.4	53		0.47
16000					8.9	66		0.44
20000					10.6	79		0.44
25000					12.5	94		0.41
31500					14.9	111		0.41
40000					17.8	140	10.5-18	0.37
50000					21.0	175		0.37
63000					25.0	209		0.34

110kV油浸式三相三绕组有载调压电力变压器

110kV Oil-immersed three-phase three-winding on-load voltage regulating power transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	抗阻电压 (%) Impedance voltage	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
6300	110	±4×1.25% ±6×1.25% ±8×1.25%	6.3 6.6 10.5 11	YNyn0d11	5.3	40	HV~MV: 10.5	0.61
8000					6.3	48		0.61
10000					7.5	56		0.57
12500					8.9	67		0.57
16000					10.6	81	HV~LV: 17.5~19	0.54
20000					12.5	95		0.54
25000					14.9	113		0.5
31500					17.7	134		0.5
40000					21.2	161	MV~LV: 6.5	0.46
50000					25.0	192		0.46
63000					29.8	230		0.42

02

油浸式变压器

Oil-immersed transformer



- 1、经济性能好：S11系列产品在S9系列产品的的基础上，空载损耗平均降低了10.3%，空载电流平均降低22.4%。
 - 2、使用寿命长：变压器油箱采用全密封结构，油箱与箱沿可用螺栓联结或焊死，变压器油不与空气接触,延长了使用寿命。
 - 3、运行可靠性高：油箱密封有关零部件进行改进，增加了可靠性，提高工艺水平以保证密封的可靠性。
 - 4、占地面积小：S11-M系列变压器油箱采用波纹板式散热器，当油温变化时波纹板热胀冷缩可取代储油柜的作用，波纹板式油箱外形美观，占地面积小。
- 1.Good economic performance: The no-load loss for S11 series products decreased 10.3% averagely, no-load current decreased 22.4% based on S9 series.
 - 2.Long lasting: The transformer oil tank adopts a fuly sealed structure. The oil tank and the tank edge can be connected by bolts or welding. The pressure oil does not come into contact with the air, extending the service life.
 - 3.High operational reliability: The relevant parts of the fuel tank seal have been improved to increase reliablty and improve the proces level to ensure. Prove the reliability of the seal.
 - 4.Small Installation Area:S11-M series transformer tank uses the corrugated plate radiator. When the oil temperature changes, the corrugated plate will proceed thermal expansion, which can replacethe role of the oil conservator. the corrugated plate tank has beautiful appearance, less occupied area.

35千伏及以下油浸式变压器 35kV and Below oil-immersed Transformer

S11系列技术数据 Technical Data Of S11 Series

S11(M)-30-1600/10低损耗和非励磁调节变压器
S11(M)-30-1600/10 Low-loss And Non-exciting Regulation Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
30	6 6.3 10 10.5 11	±5% ±2×2.5%	0.4	Dyn11 Yyn0	100	630/600	4	0.80
50					130	910/870		0.75
63					150	1090/1040		0.75
80					180	1310/1250		0.70
100					200	1580/1500		0.65
125					240	1890/1800		0.65
160					280	2310/2200		0.60
200					340	2730/2600		0.50
250					400	3200/3050		0.50
315					480	3830/3650		0.45
400					570	4520/4300		0.45
500					680	5410/5150	4.5	0.40
630					810	6200		0.40
800					980	7500		0.35
1000					1150	10300		0.35
1250					1360	12000		0.30
1600					1640	145000		0.30

S11(M)-30~1600/20低损耗和非励磁调节变压器
S11(M)-30~1600/20 Low-loss And Non-exciting Regulation Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
30	20	±5% ±2×2.5%	0.4	Dyn11 Yzn11 Yyn0	90	690/660	5.5	2.10
50					130	1010/960		2.00
63					150	1200/1150		1.90
80					180	1440/1370		1.80
100					200	1730/1650		1.60
125					240	2080/1980		1.50
160					290	2540/2420		1.40
200					340	3000/2860		1.30
250					400	3520/3350		1.20
315					480	4210/4010		1.10
400					570	4970/4730		1.00
500					680	5940/5660	6.0	1.00
630					810	6820		0.90
800					980	8250		0.80
1000					1150	11330		0.70
1250					1380	13200		0.70
1600					1660	15950		0.60

35kV and Below oil-immersed Transformer

S11(M)-630-31500/35低损耗和非励磁调节变压器
S11(M)-630-31500/35 Low-loss And Non-exciting Regulation Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路阻抗 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
630	35	±5%	3.15 6.3 10.5	Yd11	830	7870	6.5	1.10
800					980	9410		1.00
1000					1150	11540		1.00
1250					1410	13940		0.90
1600					1700	16670		0.80
2000					2180	18380		0.70
2500					2560	19670		0.60
3150	35-38.5	±5%	3.15 6.3 10.5	Yd11	3040	23090	7.0	0.56
4000					3620	27360		0.56
5000					4320	31380		0.48
6300					5250	35060		0.48
8000	35-38.5	±2×2.5%	3.15 3.3 6.3 6.6 10.5 11	Ynd11	7200	38480	7.5	0.42
10000					8700	45320		0.42
12500					10080	53870	8	0.40
16000					12160	65840		0.40
20000					14400	79520		0.40
25000					17020	94050		0.32
31500					20220	112860		0.32

非晶合金油浸式变压器
Amorphous Alloy Oil Transformer

型号 Model	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	空载电流 (%) No-load Current
	高压	高压分接范围	低压				
	HV	HV tapping range	LV				
SBH15 -30	6 6.3 10	±5%or ±2×2.5%	0.4	Dyn11	33	630	1.5
SBH15 -50					43	910	1.2
SBH15 -63					50	1090	1.1
SBH15 -80					60	1310	1
SBH15 -100					75	1580	0.9
SBH15 -125					85	1890	0.8
SBH15 -160					100	2310	0.6
SBH15 -200					120	2730	0.6
SBH15 -250					140	3200	0.6
SBH15- 315					170	3830	0.5
SBH15- 400					200	4520	0.5
SBH15- 500					240	5410	0.5
SBH15- 630					320	6200	0.3
SBH15- 800					380	7500	0.3
SBH15-1000					450	10300	0.3
SBH15-1250					530	12000	0.2
SBH15-1600					630	14500	0.2

03 干式变压器
Dry-type transformer



- 安全，难燃防火，无污染，可直接安装在负荷中心。
 - 免维护、安装简便、综合运行成本低。
 - 防潮性能好，可在100%湿度下正常运行，停运后不经预干燥即可投入运行。
 - 损耗低，局部放电电量低、噪音小、散热能力强，强迫风冷条件下可以150%额定负载运行。
 - 配备有完善的温度保护控制系统，为变压器安全运行提供可靠保障。
 - 可靠性高。经对已投入运行的产品研究，可靠性指标已经达到国际先进水平。
-
- Flame retardant, non-pollution, it can be installed directly in the load center.
 - Maintenance-free, easy to be installed, low operating costs.
 - The enclosure can be of Good moisture resistance, transformer can be put into operation withoutpre-drying under 100% humidity in the normal operation.
 - Low loss light weight and small volume low noise,good dissipation of heat, it can be 150%rated load operation under forced air cooling conditions.
 - Equipped with a complete temperature protection control system to provide reliable protection for the safe operation of transformers.
 - High reliability. The results of checking for the products that has been put into operation show that the reliability index has reached the international advanced level.

干式变压器

Dry-type Transformer

SCB10系列技术数据

Technical Date of SCB10 Series

SCB10-30-2500/10环氧树脂干式变压器

SCB10-30-2500/10 Epoxy-resin Dry-type Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
30	6 6.3 6.6 10 10.5 11	±5% ±2×2.5%	0.4	Yyn0 Dyn11	190	710	4.0	2.4
50					270	1000		2.4
80					370	1380		1.8
100					400	1570		1.8
125					470	1850		1.6
160					540	2130		1.6
200					620	2530		1.4
250					720	2760		1.4
315					880	3470		1.2
400					980	2990		1.2
500					1160	4880		1.2
630					1340	5880		1.0
630					1300	5960	6.0	1.0
800					1520	6960		1.0
1000					1770	8130		1.0
1250					2090	9690		1.0
1600					2450	11730		1.0
2000					3050	14450		0.8
2500					3600	17170		0.8
1600					2450	12960	8	1
2000					3050	15960		0.8
2500					3600	18890		0.8

SCB10-50-2500/20环氧树脂干式变压器

SCB10-50-2500/20 Epoxy-resin Dry-type Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
50	20 22 24	±5% ±2×2.5%	0.4	Yyn0 Dyn11	380	1300	6.0	2.4
100					600	2100		2.2
160					750	2600		1.8
200					820	3100		1.8
250					940	3600		1.6
315					1080	4300		1.6
400					1280	5100		1.4
500					1500	6100		1.4
630					1700	7200		1.2
800					1950	8700		1.2
1000					2300	10300		1.0
1250					2650	12150		1.0
1600					3100	14600	8.0	1.0
2000					3600	17250		0.8
2500					4300	20400		0.8
2000					3600	18800		0.8
2500					4300	22400		0.8

干式变压器

Dry-type Transformer

SCB10-50-2500/35环氧树脂干式变压器

SCB10-50-2500/35 Epoxy-resin Dry-type Transformer

额定容量(kVA) Rated Capacity	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	短路抗阻 (%) Short-circuit Impedance	空载电流 (%) No-load Current
	高压	分接范围	低压					
	HV	tapping range	LV					
50	35	±5% ±2×2.5%	0.4	Yyn0 Dyn11	500	1500	6.0	2.8
100					700	2200		2.4
160					880	2960		1.8
200					980	3500		1.8
250					1100	4000		1.6
315					1310	4750		1.6
400					1530	5700		1.4
500					1800	7000		1.4
630					2070	8100		1.2
800					2400	9600		1.2
1000					2700	11000		1.0
1250					3150	13400		0.9
1600					3600	16300		0.9
2000					4250	19200		0.9
2500					4950	23000		0.9

非晶合金干式变压器

Amorphous Alloy Dry-type Transformer

型号 Model	额定电压及分接范围 Rated voltage and tapping range			联结组别 Vector group	空载损耗 (kW) No-load Loss	负载损耗 (kW) On load Loss	空载电流 (%) No-load Current
	高压	高压分接范围	低压				
	HV	HV tapping range	LV				
SCBH15-100	6 6.3 6.6 10 10.5 11	±2×2.5% ±3×2.5%	0.4	Dyn11 Yyn0	130	1570	
SCBH15-160					170	2125	
SCBH15-200					200	2525	0.8
SCBH15-250					230	2755	0.8
SCBH15-315					280	3470	0.7
SCBH15-400					300	3985	0.7
SCBH15-500					360	4880	0.6
SCBH15-630					420	5875	0.5
SCBH15-800					480	6955	0.5
SCBH15-1000					550	8125	0.4
SCBH15-1250					660	9690	0.4
SCBH15-1600					750	11730	0.4

04 美式箱变

Pad mounted transformer



- 三相美式箱变是适用于公用事业、商业或工业应用的紧凑型电力中心，旨在承受多种类型的环境。产品具有紧凑小型化、全绝缘设计、密封性能好、防腐能力强、组合灵活等结构特点。这些变压器可以位于建筑物外部或内部，以提供节能且更安全的解决方案。流体填充变压器有多种配置可供选择，并且可以与多种配件搭配使用，以满足最基本和最复杂的规格。三相美式箱变以其独特的优势在多个领域得到了广泛应用。
- Three phase pad-mounted transformers are compact power centers for utility, commercial, or industrial applications and are designed to withstand many types of environments. The product has the structural characteristics of compact miniaturization, full insulation design, good sealing performance, strong anti-corrosion ability, and flexible combination. These transformers can be located outside or inside a building to provide an energy-efficient and safer solution. Fluidfilled transformers are available in a variety of configurations and can be paired with a wide range of accessories to meet the most basic and complex specifications. With its unique advantages, three-phase pad-mounted transformer has been widely used in many fields.

额定容量(kVA) Rated Capacity	高压 High Voltage	低压 Low Voltage	损耗 Loss (W)	
			空载损耗	负载损耗
			No-load Loss (W)	load Loss (W)
75	34500 19920 13800 7957 13200 7620 12470 or others	240 480 480Y 277 600Y 347	180	1250
112.5			200	1500
150			280	2200
225			400	3050
300			480	3650
500			680	5100
750			980	7500
1000			1150	10300
1500			1640	14500
2000			2160	30645
2500			2680	27786

05 单相柱上式变压器

Single-Phase Pole-Mounted Transformer



- 单相柱上式变压器可减少低压配电线路长度，降低线路损耗，提高供电质量。变压器采用高效节能的线圈铁芯结构设计。该变压器的特点是体积小，基建投资少，低压供电半径缩小，低压线路损耗60%以上。采用全密封结构过载能力强，连续运行可靠性高，维护简单。适用于农村电网、偏远山区、分散村庄、农业生产、照明用电，也可用于铁路、城市电网节能改造。我们的变压器采纳技术设计，采用优质材料和元件，质量可靠，运行时间长。
- It can reduce the length of low-voltage distribution lines,lower line losses and improve power supply quality.The transformer adopts a highly efficient and energy-saving coil core structure design. The characteristics of this transformer are small size. low infrastructure investment.reduced low-voltage power supply radius,and low-voltage line loss of over 60%. It adopts a fully sealed structure,has strong overload capacity, high reliability in continuous operation and simple maintenance.It is applicable to rural power grids,remote mountainous areas,scattered vlages, agricultural production,and ighting power consumption.It can also be used for energy-saving renovations of railways and urban power grids Our transformers are designed with advanced technology,using high-quality materials and components. They are reliable in quality and have a long operating time.

06

箱式变电站

Compact substation



- YB型箱式变电站又称欧式箱变，由高压开关柜，低压配电屏，配电变压器及外壳四部分组成，作为一种新型供电配电装置，它比传统土建变电站具有许多优越性。由于它体积小，占地面积小，结构紧凑，便于搬迁，因而大大缩短了基建的周期和占地面积，也减少了基建费用。同时，箱式变电站现场安装简单，供电迅速，设备维修简单，无需专人值守，特别是它可以深入负荷中心，对提高供电质量，减少电能损失，增强供电的可靠性以及对配电网改造都是十分重要的。箱变完成电能的变换、分配、传输、计量、补偿，系统的控制、保护及通讯等功能。
- YB box type transformer substation, also known as Continental me changes from the high voltage switchgear cabinet, low voltage distibution panel, power distribution transformers shell combination of four parts. as a new power supply and distributon equipment, substation than the traditional civil engineering has many advantages. Because of its small size. smll area.compact, easy to move. thus greatly shortening the cycle and the area of infrastructure, but also reduce the cost of infrastructure Meanwhile, the box-type substation on-site installation is simple. rapid power supply. equipment maintenance is simple, no special duty. in particular. it can be in-depth load center, to improve the quality of power supply to reduce power loss and enhance the reliability of power supply and the transformation of the distribution network are very important. European box change is to complete the transformation of electrical energy, distribution transmission, measurement, compensation, system control, protection and communication functions.

箱式变电站

Compact Substation

箱式变电站技术数据表

Technical Parameter of YBW Prefabricated Substation

项目 Description		单位 Unit	参数 Data
高压单元 HV	额定频率Rated Frequency	Hz	50
	额定电压Rated voltage	kV	6 10 35
	最高工作电压Max operating voltage	kV	6.9 11.5 40.5
	工频耐受电压Power frequency withstand voltage		
	对地和相间/隔断口断 (phase to ground and between phases)/ disconnecter fracture	kV	32/36 42/48 95/118
	雷电冲击耐压Lightning impulse withstand voltage		
	对地和相间/隔断口断 (phase to ground and between phases)/disconnecter fracture	kV	60/70 75/85 185/215
	额定电流Rated current	A	400 630
	额定短时耐受电流Rated	kA	12.5(2S) 16(2S) 20(2S)
	额定峰值耐受电流Rated peak withstand current	kA	32.5 40 50
低压单元 LV	额定电压Rated voltage	V	380 200
	主回路额定电流Rated current of main circuit	A	100-3200
	额定短时耐受电流Rated short-time withstand current	kA	15 30 50
	额定峰值耐受电流Rated peak withstand current	kA	30 63 110
	支路电流Branch circuit	A	10-800
	分支回路数Number of branch circuit	/	1-12
	补偿容量Compensation capacity	kVAR	0-360
变压器单元 TRANSFORMER	额定容量Rated capacity	kVA	50-2000
	短路阻抗Short-circuit impedance	%	4 6
	分接范围Tapping range	/	±2x2.5%±5%
	联结组别Connection group symbol	/	Yyn0 Dyn11

07

风电箱式变电站

Wind power box-type substation



风电箱变是一种将风力发电系统接入电网的关键设备，主要用于将风力发电系统中产生的交流电稳定在一定的范围内，并进行功率调节，以满足电网的要求。风电箱变通常包括以下几个部分：

- 1. 输入端：连接风力发电机组，通常采用专用的交流断路器，以确保风力发电机组的安全运行。
- 2. 变压器：将风力发电机组产生的电压升高或降低，以满足电网的要求。
- 3. 控制单元：对风电箱变的运行情况进行实时监控，包括电压、电流、功率等因素，便于操作人员掌握系统的运行情况。
- 4. 保护系统：包括过电压、过电流、孤岛效应等保护功能，以确保风电箱变在出现异常情况下能够迅速切断电源，保障系统和人员的安全。
- 5. 输出端：连接电网，通常采用专用的交流断路器，以确保电网的安全运行。

风电箱变的选型和设计需要根据具体的风力发电系统要求、当地电网规范等因素来确定。在安装和维护过程中，应严格按照相关规程进行操作，确保风电箱变的安全运行。

风电箱变的主要功能是为风力发电系统提供稳定、可靠的电力转换和传输，将风力发电系统产生的交流电高效、安全地接入电网，满足生产和生活的用电需求。

A wind turbine transformer substation is a key piece of equipment connecting a wind power generation system to the power grid. Its main function is to stabilize the AC power generated by the wind power system within a certain range and regulate its power to meet grid requirements. A typical wind turbine transformer substation includes the following components:

- 1. Input Terminal: Connects to the wind turbine generator set, usually using a dedicated AC circuit breaker to ensure the safe operation of the generator set.
- 2. Transformer: Increases or decreases the voltage generated by the wind turbine generator set to meet grid requirements.
- 3. Control Unit: Monitors the operation of the wind turbine transformer substation in real time, including voltage, current, and power, allowing operators to monitor the system's operation.
- 4. Protection System: Includes overvoltage, overcurrent, and islanding protection functions to ensure the wind turbine transformer substation can quickly cut off power in case of abnormalities, protecting the system and personnel.

- 5. Output Terminal: Connects to the power grid, usually using a dedicated AC circuit breaker to ensure the safe operation of the grid.

The selection and design of a wind turbine transformer substation need to be determined based on the specific requirements of the wind power generation system and local grid regulations. During installation and maintenance, operations should be strictly carried out in accordance with relevant procedures to ensure the safe operation of the wind power transformer. The main function of the wind power transformer is to provide stable and reliable power conversion and transmission for the wind power generation system, efficiently and safely connecting the AC power generated by the wind power generation system to the power grid to meet the electricity needs of production and daily life.

08

光伏箱式变电站

Photovoltaic box-type substation



光伏箱变产品的主要功能是为光伏发电系统提供稳定、可靠的电力转换和传输，将光伏发电系统产生的直流电高效、安全地转换交流电，并接入电网。具体用途包括：

- 1. 交流输出：光伏箱变产品的交流输出端通过专用的交流断路器与电网相连，将转换后的交流电输送到电网。
- 2. 监控系统：光伏箱变产品通常配备监控系统，用于实时监测光伏箱变的运行情况，包括电压、电流、功率等因素，方便操作人员掌握系统的运行状况。
- 3. 保护系统：光伏箱变产品一般具有过电压、过电流、孤岛效应等保护功能，可以在出现异常情况下迅速切断电源，保障系统和人员的安全。

总之，光伏箱变产品的主要功能是为光伏发电系统提供稳定、可靠的电力转换和传输，确保光伏发电系统能够高效、安全地将电能输送到电网，满足生产和生活的用电需求。

The main function of photovoltaic (PV) transformer substations is to provide stable and reliable power conversion and transmission for PV power generation systems. They efficiently and safely convert the direct current (DC) generated by the PV system into alternating current (AC) and connect it to the power grid. Specific applications include:

- 1. AC Output: The AC output terminal of the PV transformer substation is connected to the power grid via a dedicated AC circuit breaker, transmitting the converted AC power to the grid.
- 2. Monitoring System: PV transformer substations are typically equipped with a monitoring system to monitor the real-time operation of the substation, including voltage, current, and power, allowing operators to easily monitor the system's status.
- 3. Protection System: PV transformer substations generally have overvoltage, overcurrent, and islanding protection functions. They can quickly cut off the power supply in case of abnormalities, ensuring the safety of the system and personnel. In summary, the main function of PV transformer substations is to provide stable and reliable power conversion and transmission for PV power generation systems, ensuring that the PV system can efficiently and safely transmit electricity to the grid to meet the electricity needs of production and daily life.

09

高低压配电柜

High and low voltage switchgear



- **KYN28A-12(GZS1-12)型户内交流金属铠装中置式开关设备**
KYN28A-12 (GZS1-12) 型户内交流金属铠装中置式开关设备。它适用于三相交流额定电压 12KV, 额定频率50Hz电力系统, 用于接受和分配电能并对电路实行控制、保护及监测。
- **GCK 型低压抽出式成套开关设备**
GCK型低压抽出式开关柜适用于额定工作电压380V。交流三相四线, 三相五线系统, 作为电力系统的发电厂, 变电站工矿企业和高层建筑中受电、馈电、无功功率补偿、电能计算、照明及电动机集中控制之用。
- **KYN28A-12 (GZS1-12) Indoor AC Metal-Clad Centrally Mounted Switchgear**
The KYN28A-12 (GZS1-12) is an indoor AC metal-clad centrally mounted switchgear. It is suitable for three-phase AC power systems with a rated voltage of 12kV and a rated frequency of 50Hz, used for receiving and distributing electrical energy and controlling, protecting, and monitoring circuits.
- **GCK Low-Voltage Withdrawn Switchgear**
The GCK low-voltage withdrawable switchgear is suitable for a rated operating voltage of 380V. It is used in AC three-phase four-wire and three-phase five-wire systems for power receiving, feeding, reactive power compensation, energy calculation, lighting, and centralized motor control in power plants, substations, industrial and mining enterprises, and high-rise buildings.

10

风电、光伏储能设备

Wind power and photovoltaic energy storage equipment



储能一体机 Integrated energy storage unit

- 将可再生能源的发电能力与储能技术相结合, 能够有效地解决光伏和风电发电的间歇性和不稳定性问题, 确保电力供应的连续性和可靠性; 这些电能可以通过一体机内的储能系统进行储存, 以便在光照不足或风力减弱时使用。
- 适用范围: 工厂和企业可以利用储能一体机稳定电能供应, 提高生产线的连续性和可靠性。
- Combining renewable energy generation capacity with energy storage technology can effectively solve the intermittency and instability issues of photovoltaic and wind power generation, ensuring the continuity and reliability of power supply. This electricity can be stored through the energy storage system within the integrated unit for use during periods of insufficient sunlight or weakened wind.
- Applications: Factories and enterprises can utilize integrated energy storage units to stabilize power supply and improve the continuity and reliability of production lines. In wind farms, integrated energy storage units can be used to smooth wind power output and improve grid connection performance.



预制舱 prefabricated cabin

- 在可再生能源领域得到广泛应用的一种集成式解决方案。通过将关键设备和系统预先安装在集装箱或类似结构中, 在提高能源利用效率、降低成本、促进环境保护等方面发挥着重要作用。
适用范围: 在偏远地区或地形复杂的场地, 适用于大型地面光伏电站, 以及屋顶光伏项目。
- An integrated solution widely used in the renewable energy sector. By pre-installing key equipment and systems in containers or similar structures, it plays a significant role in improving energy efficiency, reducing costs, and promoting environmental protection. Applications: Suitable for large-scale ground-mounted photovoltaic power plants and rooftop photovoltaic projects in remote areas or sites with complex terrain.

01



专业能力 Professional

公司拥有20多名工程师，凭借最先进的技术水平，为客户提供专业的技术服务。中亿电气已在电力领域为全球多个国家的客户提供服务，自2011年起便涉足高压电气领域，并为来自不同国家的客户提供服务。在电力设施、配电系统、输电线路等电力领域拥有超过10年的国际经验，使我们能够自信地参与并圆满完成各类电力项目。

More than 20 engineers, to provide technical service with the most advanced technological levels. ZELECT has been engaged in HV electric field and served clients from various countries since 2011. Over 10 years of international experience on electric power fields including power substation, distribution system, trans mission lines makes us confident of participating and completing electric project.



02



高效响应 High-efficiency

24小时响应，提供24小时内的解决方案

24-hours response providing solution less than 24 hours



准时响应
On line



准时响应
On line



准时响应
On line



准时响应
On line



准时响应
On line



准时响应
On line

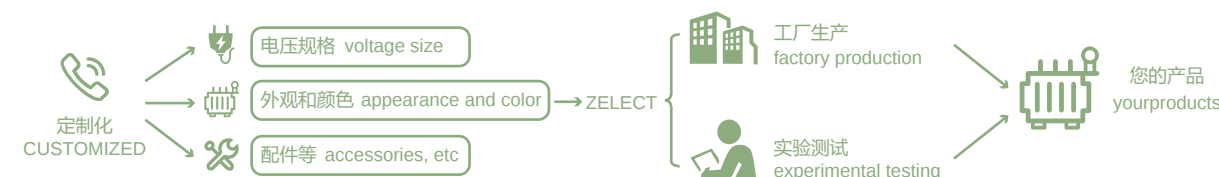
03



定制化与专属服务 Customized and Dedicated

我们可根据客户需求，定制产品，包括但不限于产品的容量、高低压、外观颜色、不同品牌的要求，配套时件要求等;根据不同的电力需求，提供不同的解决方案;产品符合国际标准:ISO、CE、ANSI、IEC、IEEE等;工厂配合、第三方实验室保证各种标准和质量。

We can customize the products according to customer's requirements, such as the capacity , the high and low voltage, the appearance and color, the requirements of different brands, the accessories of the products and so on. According to different electric requirement, the equipment are produced according to various international standards: ISO, CE, ANSI, IEC, IEEE, etc. Coordination of factory and third party laboratories guarantee the accomplishment of varieties of standards and quality.



04



资源整合 Resources Integration

中亿电气为客户提供成熟的供应管理，整合生产、运输、船运、交付等资源，确保流程操作顺畅，并实现良好的成本控制。

ZELECT provides mature supply management for clients, we integrated beneficial resources from production, transportation, shipping, delivery, which will guarantee the process operation and also achieve good cost control.



生产
producing



运输
transportation(shipping)



交付
delivery

新能源领域（风电、光伏、储能能源）代表项目：

- 国网内蒙古东部电力能源服务有限公司—华驰飞轮储能项目
State Grid Inner Mongolia Eastern Electric Power Energy Comprehensive Service Co., Ltd. — Huachi Flywheel Energy Storage Project
- 北京首钢通钢1号烧结机烟气脱硫脱硝项目
Beijing Shougang Tonggang No. 1 Sintering Machine Flue Gas Desulfurization and Denitrification Project
- 北京首钢冷轧薄板有限公司分布式光伏发电项目
Beijing Shougang Cold Rolling Thin Plate Co., Ltd. Distributed Photovoltaic Power Generation Project
- 华润海原呱呱山200MW风电项目
China Resources Haiyuan Guaguashan 200MW Wind Power Project
- 华润智慧能源(宜昌)有限公司力佳科技3.288MW分布式光伏项目
China Resources Smart Energy (Yichang) Co., Ltd. — Lijia Technology 3.288MW Distributed Photovoltaic Project
- 赤峰克旗兴龙20万千瓦风电项目
Chifeng Keqi Xinglong 200MW Wind Power Project
- 三峡滨海200ME/400MWh储能电站项目
Three Gorges Binhai 200MW/400MWh Energy Storage Power Station Project
- 新华发电喀什地区疏附县80万千瓦光伏发电园区低碳转型+荒漠化治理一体化项目
Xinhua Power Generation — Shufu County, Kashgar Prefecture 800MW Photovoltaic Power Park: Integrated Low-Carbon Transition and Desertification Control Project
- 大唐榆次100MW光伏项目
Datang Yuci 100MW Photovoltaic Project
- 大唐丰宁鱼儿山200MW风电场项目
Datang Fengning Yuer Mountain 200MW Wind Farm Project
- 大唐新能源滨州阳信风电场一期工程
Datang New Energy — Binzhou Yangxin Wind Farm Phase I Project
- 中广核丰宁满族自治县20万千瓦光伏复合示范项目
CGN Fengning Manchu Autonomous County 200MW Integrated Photovoltaic Demonstration Project



新能源领域（风电、光伏、储能能源）代表项目：

- 国家长源随州市随县百万千瓦新能源多能互补基地一期400MW光伏发电项目
Guodian Changyuan — Suixian County, Suizhou City: 1GW New Energy Multi-Energy Complementary Base Phase I (400MW PV Power Generation) Project
- 小米智能家电生产制造基地项目
Xiaomi Smart Home Appliance Manufacturing Base Project
- 海油发展天津海洋装备智能制造基地建设项目
CNOOC Development — Tianjin Marine Equipment Intelligent Manufacturing Base Construction Project
- 承德斐讯云信息技术有限公司承德斐讯大数据项目一期项目
Chengde Phicomm Cloud Information Technology Co., Ltd. — Chengde Phicomm Big Data Project Phase I
- 国源电力和丰煤矿风电配套升压站项目
Guoyuan Electric Power — Hefeng Coal Mine Wind Power Support Booster Station Project
- 武汉市东西湖区光明乳业4.5MW光伏发电项目
Wuhan Dongxihu District — Bright Dairy 4.5MW Photovoltaic Power Generation Project
- 武汉超拓19.0465MW分布式光伏发电项目
Wuhan Chaotuo 19.0465MW Distributed Photovoltaic Power Generation Project
- 吉兰泰油田12MW分布式光伏项目
Jilantai Oilfield 12MW Distributed Photovoltaic Project
- 独山子区30万千瓦源网荷储一体化项目
Dushanzi District 300MW "Source-Grid-Load-Storage" Integrated Project
- 吐鲁番市托克逊县乌斯通光热
Turpan City, Toksun County — Wusitong Concentrated Solar Power (CSP) Project
- 瓜州新盛安北风力发电有限公司安北第五风电场
Guazhou Xinsheng Anbei Wind Power Co., Ltd. — Anbei Wind Farm No. 5
- 江西宜春经开区信嘉玻璃4MW屋顶分布式光伏发电项目
Jiangxi Yichun Economic Development Zone — Xinjia Glass 4MW Rooftop Distributed Photovoltaic Power Generation Project
- 华晋焦煤有限责任公司电力分公司瓦斯电厂一二期智能化升级改造项目
Huajin Coking Coal Co., Ltd. (Electric Power Branch) — Gas Power Plant Phases I & II Intelligent Upgrade and Renovation Project



电力、化工、建筑、市政等领域代表项目：

- 景德镇陶溪川旅游景区(三期)配电新建工程
Jingdezhen Taoxichuan Scenic Area (Phase III) — New Power Distribution Project
- 空港正意商业大厦
Konggang Zhengyi Commercial Building
- 保定市新冠疫情方舱医院项目
Baoding City COVID-19 Field Hospital Project
- 保定长城汽车科技产业园
Baoding Great Wall Motor Technology Industrial Park
- 哈尔滨医科大学新建校区工程项目
Harbin Medical University — New Campus Construction Project
- 徐水妇幼发热门诊
Xushui Maternal and Child Health Hospital — Fever Clinic
- 泽硕药业配电项目
Zeshuo Pharmaceutical — Power Distribution Project
- 保定市竞秀区教育和体育局10KVA配电工程
Baoding City, Jingxiu District Bureau of Education and Sports — 10 kVA Power Distribution Project
- 河北昌恒房地产开发有限公司观山悦小区
Hebei Changheng Real Estate Development Co., Ltd. — Guanshanyue Residential Community
- 沧州市沧县博爱医院项目
Cangzhou City, Cangxian County — Bo'ai Hospital Project
- 安平县县医院扩建项目
Anping County Hospital — Expansion Project
- 邯郸市广平县人民医院项目
Handan City, Guangping County — People's Hospital Project
- 河北大学硕园学生公寓工程项目
Hebei University — Shuoyuan Student Dormitory Project
- 邢台新河县小学项目
Xingtai, Xinhe County — Primary School Project
- 保定市马场小学项目
Baoding City — Machang Primary School Project
- 邢台新河县小学
Xingtai, Xinhe County — Primary School



景德镇陶溪川旅游景区(三期)配电新建工程
Jingdezhen Taoxichuan Scenic Area (Phase III) — New Power Distribution Project



哈尔滨医科大学新建校区工程项目
Harbin Medical University New Campus Construction Project

海外代表项目：

- 缅甸NAMPANGA水电站项目
Myanmar NAMPANGA Hydropower Station Project
- 老挝玛霍索综合医院项目
Laos Mahosot General Hospital Project
- 俄罗斯莫尔多瓦Magma3000tpd熟料水泥生产线EP项目
Russia Mordovia Magma 3000 tpd Clinker Cement Production Line EP Project
- 老挝万象塔銓湖园区行政中心等地块变压器采购项目
Laos Vientiane That Luang Lake Zone (Administrative Center and Other Plots) Transformer Procurement Project
- 肯尼亚穆瓦驰多功能大坝工程箱式变电站采购项目
Kenya Mwache Multipurpose Dam Project — Box-type Substation Procurement
- 冈比亚GGC生物质4MW发电厂工程
Gambia GGC 4MW Biomass Power Plant Project
- 乌兹别克斯坦主变项目(SZ-20000/35-6.3)
Uzbekistan Main Transformer Project (SZ-20000/35-6.3)
- 缅甸电网改造项目(S-200/11-0.415)
Myanmar Power Grid Upgrade Project (S-200/11-0.415)
- 洪都拉斯项目(S-7000/34.5-0.38)
Honduras Project (S-7000/34.5-0.38)
- 埃塞俄比亚10MW电站项目(YBW-2000/33)
Ethiopia 10MW Power Station Project (YBW-2000/33)



缅甸水电站项目
Myanmar Hydropower Project



俄罗斯水泥生产线项目
Russia Cement Production Line Project



老挝玛霍索综合医院项目
Laos Mahosot General Hospital Project



埃塞俄比亚10MW电站项目
Ethiopia 10MW Power Station Project