Rata瑞泰

PRODUCTS CATALOG

LOAD BANK MANUFACTURER

COMPANY PROFILE

Rata was established in 2013 and located at Luojiang High and New Technology Zone, Deyang City, China. The factory is nearby the high way and national road, with convenient shipment. It is about 5 hours from our factory to the nearest port.
There are professional technicians and skilled workers. During past 9 years, we are focus on development and production of kinds of load bank. By far, we have obtained 15 patents of load bank, ISO 9001 certificates and 8 computer software copyrights.
We are not only focus on products quality, but also on service. By far we obtained 5 stars contract performance capacity certificate and 7 stars after sales service certificate.
Rata Technology mainly produce and sale resistive load bank, resistive inductive combined load bank, resistive inductive and capacitive combined load bank, rack mounted load bank, DC load bank, electrical load bank and battery discharger.
Our load bank have been exported to Europe, Africa, , Asia and other regions and have good reputation.
You are welcome to visit our factory and look forward to cooperate with you.

CERTIFICATES

During past 9 years, we are focus on development and production of kinds of load bank. By far, we have obtained 15 patents of load bank, ISO 9001 certificates,8 computer software copyrights,High New Tech Enterprise,5 stars contract Performance capacity certificate and 7 stars after sales service certificate


ALLWIN
Certification
Quality management system certification
This is to certify that
Deyang Rata Technology Co., Ltd.
Company Registered address: West Section of Xingfu Road, Jinshan Industrial Park, Luojiang Economic Development Zone, Sichuan (in Deyang Wandexin Aluminum Base Alloy Co., Ltd.)
Business address: Jinshan Industrial Zone, Luojiang District, Deyang City, Sichuan Province
Its quality management system complies with
GB/T19001-2016/ISO9001:2015
Scope of certification: Production of generator detection system (load bank), transformer and reactor (except for qualification permit)
Hangzhou Aowei Standard Technical Service Co., Ltd


履约能力评价体系认证证书
兹证明
德阳瑞泰科技有限公司
经评审，该组织的履约能力符合
GB/T 33718-2017《企业合同信用指标指南》标准要求
AAAAA 级
兴诚（深圳）检测认证科技有限公司
http://www.xingchengrz.com


售后服务认证证书
兹证明
德阳瑞泰科技有限公司
经评审，其组织的服务能力符合
GB/T 27922-2011《商品售后服务评价体系》标准要求
七星级
兴诚（深圳）检测认证科技有限公司
http://www.xingchengrz.com


高新技术企业
证书

Partial Certificates Display

CERTIFICATES

Partial Certificates Display

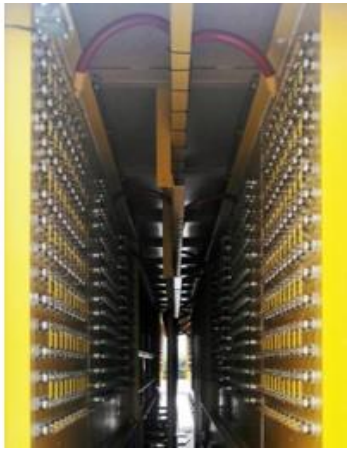
RESISTIVE LOAD BANK

Overview

Rata resistive load bank is a special equipment for generator type test and delivery inspection. The optional intelligent test system can automatically complete the measurement of all electrical parameters of the generator and automatically generate various charts, curves and reports. Our high-voltage load can directly measure the high-voltage power supply without transformer. They generally adopt remote operation mode, which is connected with the load body through the network cable of notebook or experimental platform to control the load and ensure the safety of operators.

Application

1. Generator set: diesel generator set factory test
2. Data center: load test of back mounted generator set
3. Offshore ships: marine generator unit test, oil platform load test
4. Military ships: ship generator set test
5. Emergency power supply: regular test of AC and DC emergency power supply
6. Power plant: load simulation loading, transformer on load test



RESISTIVE LOAD BANK

Resistive Load Bank Basic Specification				
Power(kW)	**Voltage(kV)**	**Frequency(Hz)**	**Size(mm,L*W*H)**	**Weight(Kg)**
Low voltage				
100	0.4/0.69	50/60	1100*900*1000	320
200			1350*1100*1100	450
300			1500*1200*1200	650
400			1700*1500*1500	830
500			1700*1600*1600	950
600			1800*1600*1600	1150
800			1900*1800*1700	1900
1000			2300*1700*2100	2100
1200			2500*1800*2200	2300
1500			2500*1860*2300	2600
1800			3000*2000*2300	4000
2000			3000*2000*2300	5000
2500			4000*2438*2500	6000
3000			6000*2438*2500	7000
Medium Voltage				
1000	6.3/10.5	50/60	3000*2438*2500	3500
1200			4000*2438*2500	3900
1500			4000*2438*2500	4500
1600			5000*2438*2500	5000
1800			5000*2438*2500	6500
2000			6000*2438*2500	7500
2200			6000*2438*2500	8000
2500			6000*2438*2500	8000
3000			7000*2438*2500	9600
4000			8000*2438*2500	11200
5000			9000*2438*2500	12000
6000			12000*2438*2500	12800
7000			12000*2438*2500	13600
8000			12000*2438*2500	14400

RESISTIVE LOAD BANK

Resistive Load Bank Data Sheet	
Nominal voltage	AC400V/690V/6.3kV/10.5kV/Customized
Load capacity	1kW to 8000kW/Customized
Minimum step	1kW
Power factor	1.0
Load step	Based on nominal power & Min.step
Load connection	Load power supply:copper bar/3-phase 4 wires Control voltage supply:connection terminal/3-phase 4 wires
Resistor	Each resistance element:insulation impedance DC2000V/10MΩ, withstand voltage AC2000v,50Hz for 1min,resistance error of each resistance tube:±3%
Load control	Local manual control,local automatic control or remote PC/Console control can be selected
Loading accuracy	≤ 3%
Three phase balance	Unbalance degree: ≤ 3%
Working mode	Continuous work
Load protection	Short circuit/over current/over voltage/high temperature/fan fault protection,etc.
External power	AC 380V/50Hz
Cooling mode	Forced air cooling,horizontal inlet,horizontal/vertical(top)air outlet.
Insulation class	F
Measurement accuracy	The display accuracy is 0.5,the sampling accuracy is 0.2
Electrical parameter display	Three phase voltage,three-phase current,frequency,power,etc
Voltage rising mode	Realized by transformer
Load expansion	Parallel expansion of multiple load containers
Standard	Meet international standard,ship standard,military standard and telecommunication standard
Transport	Load-bearing lifting hole/Castors/Forklift holes available
Color	White/blue or Customized
Ambient temperature	-20℃to +50℃
Humidity	Up to 100%
Altitude	Up to 2500m
Atmospheric pressure	86to 106kPa
Reference Weight	Reference Basic Specification above showed
Reference Size(mm)	Reference Basic Specification above showed
Packing & Shipment	Film wrapping/wooden case/customized. Nearest port: Chongqing port/Shanghai port.

RESISTIVE INDUCTIVE LOAD BANK

Overview

Rata resistive inductive load bank is developed on the basis of resistive load bank. Shunt reactor or magnetic valve controllable reactor can be selected for inductive load,and the power factor is 0.8.Resistive inductive load bank has the advantages of simple operation,small volume and convenient transportation. According to the load capacity,it can be used in parallel.Load test has the advantages of high precision, convenient adjustment, no test preparation time, continuous and long-term use and so on.Intelligent test load system of generator set is divided into two parts: load group and control system;The load control of the bank is divided into local control,local control and remote control. In addition,customers can customize various specifications of load banks according to your own needs.

Application

1. Generator set:diesel generator set factory test
2. Detection mechanism:load simulation test,power supply test,contactor life test
3. Scientific research institute:analog false load,power supply detection,energy consumption resistance
4. Emergency power supply:regular test of AC and DC emergency power supply
5. Bank hotel:generator regular load test
6. Commercial real estate:backup generator test
7. Airport: emergency power supply detection

RESISTIVE INDUCTIVE LOAD BANK

Resistive Inductive Combined Load Bank Basic Specification							
Active power (kW)	Inductive power(kvar)	Apparent power(kVA)	Voltage(kV)	P.F.	Frequency(Hz)	Size(mm,L*W*H)	Wt.(Kg)
100	75	125	0.4/0.69	0.8	50/60	1500*1500*1500	900
200	150	250				1700*1600*1500	2000
300	225	375				1800*1600*1600	3200
400	300	500				2000*2000*2000	4000
500	375	625				2300*1800*1800	5000
600	450	750				2500*2000*1800	6000
800	600	1000				3000*2438*2000	7000
1000	750	1250				3000*2438*2500	8000
1200	900	1500				3500*2438*2500	9000
1500	1125	1875				4000*2438*2500	10000
1800	1350	2250				4500*2438*2500	11000
2000	1500	2500				5000*2438*2500	12000
2200	1650	2750				5500*2438*2500	13500
2500	1875	3125				6000*2438*2500	15000
3000	2250	3750				6500*2438*2500	17000

RESISTIVE INDUCTIVE LOAD BANK

Resistive Inductive Combined Load Bank Data Sheet		
Load bank	Nominal voltage	According to customer needs
	Test frequency	50Hz/60Hz
	Load character	Resistive inductiveload,to meet the needs of multiple parallel work
	Power factor	0.8
	Load connection	Copper bar
	Loading accuracy	±3%
	Three phase balance	Inbalance:≤3%
	Working mode	Continuous work
	Power supply	3 phase 4 wire,380V/50Hz
	Cooling mode	Forced air cooling,horizontal inlet,horizontal/vertical out let
	Insulation class	F
	Accuracy	The sampling accuracy: 0.2; (Voltage:±0.5%,current:±0.5%,frequency:±0.1%,power:±1%,Cosϕ:±1%)
	Load expansion	Parallel expansion of multiple load containers
	Load protection	Short circuit,over voltage,over current,high temperature,air volume,emergency stop protection
Resistiveload	Minimum step	1kW
	Load step	According to customer needs
	Resistance tube	Insulation impedance of each resistor:DC2000V 10MΩ above,withstand voltage AC2000V 1 minute,resistance error of each resistance tube:±3%,Cold & hot state change:≤2%
	Resistive material	Special alloy resistor
Inductive load	Minimum step	1kvar
	Load step	According to customer needs
	Inductor	Withstand voltage AC3000V 1 minute,inductance error of each Inductor:±3%
	Material	Aluminum reactor or copper reactor
Other	Protection level	IP56 when outdoor use, IP20 when indoor use
	Transport	Load-bearing lifting holes/castors/forklift holes available
	Color	White/blue/customized
	Standard	Meet international standard,ship standard,military standard and telecommunication standard
	Ambient Temp.	-20℃to 50℃
	Humidity	Up to 100%
	Altitude	Up to 2500m
	Atmospheric pressure	86to 106kPa

INDUCTIVE LOAD BANK

Overview

Rata inductive load bank is composed of full inductive load.Generally,the full inductive load needs to be matched with resistive load to realize the parallel use of multiple machines.The customer can specify whether to design the data acquisition function and control mode.Among them, the inductor is produced by rata with high reliability and strong maintainability.The customer can specify copper inductor or aluminum inductor.

Application

Inductive load box is mainly used for type test and delivery inspection of diesel,natural gas and biogas generator sets in production.

INDUCTIVE LOAD BANK

Inductive Load Bank Basic Specification				
Inductive Power(kvar)	**Voltage(kV)**	**Frequency(Hz)**	**Size(mm,L*W*H)**	**Weight(Kg)**
100	0.4/0.69	50/60	800*1200*1000	600
200			1000*1200*1500	1200
300			1200*1500*1600	1800
400			1500*1500*1800	3000
500			1500*1500*2000	3600
600			1500*1800*2000	4000
800			2000*1800*2000	4500
1000			2300*2000*2200	5000
1200			2300*2000*2500	6000
1500			2500*2000*2500	7000
1800			3000*2000*2200	8000
2000			3000*2438*2500	9000
2200			3000*2438*2500	10000
2500			3500*2438*2500	11000

INDUCTIVE LOAD BANK

Inductive Load Bank Data Sheet	
Load step	According to customer needs
Load connection	Copper bar
Inductor	Withstand voltage AC3000V 1 minute,inductance error of each Inductor:±3%
Load control	Local manual control, local automatic control or remote automatic control can be selected
Loading accuracy	≤3%
Three phase balance	Unbalance degree:≤3%
Minimum step	1kW
Working mode	Continuous work
Load protection	Short circuit,overcurrent,high temperature,fan fault protection
External power	TN-C,380V/50Hz
Cooling mode	Forced air cooling, horizontal/vertical air outlet
Insulation class	F
Measurement accuracy	The display accuracy is 0.5,the sampling accuracy is 0.2
Electrical parameter display	Three phase voltage, three-phase current, frequency, power, etc
Voltage rising mode	Realized by transformer
Load expansion	Parallel expansion of multiple load containers
Standard	Meet international standard,ship standard,military standard and telecommunication standard
Transport	Load-bearing lifting hole/castors/forklift holes available
Color	Customized
Ambient temperature	-20℃to 50℃
Humidity	Up to 100%
Altitude	Up to 2500m
Atmospheric pressure	86to 106kPa

RACK MOUNTED LOAD BANK

Overview

The rack mounted AC dummy load equipment can fully simulate the power usage, heat dissipation and other air flow changes of the server. Through the use of rack mounted load bank for integration test, the effective operation of power supply and distribution system (including UPS system),air conditioning fresh air system,lightning protection and grounding system,monitoring system,comprehensive environment of computer room, it environment of cabinet and decoration engineering of computer room is ensured, and the design and operation requirements are verified.

Application

1. DC generator set,battery charging board,UPS charging board,photovoltaic combiner box and other DC power supply detection occasions.
2. AC test server,UPS,generator set and other AC power supplies.
3. Output power and load carrying capacity of communication AC equipment such as AC voltage stabilizer, inverter and switching power supply.
4. Simulating resistive load can detect the performance of power supply under different loads.

RACK MOUNTED LOAD BANK

Rack Mounted Load Bank Basic Specification					
Power(kW)	**Voltage(V)**	**Frequency(Hz)**	**Height**	**Loading step**	**Function**
3	220/240/415	50/60	3U	0.5kW	Fan speed control, dual power switching
3.5			3U		
4			4U		
4.5			4U		
5			4U		
6			6U		
7			6U		
8			8U		
9			8U		
10			8U		
12			12U		

RACK MOUNTED LOAD BANK

Rack Mounted Load Bank Data Sheet	
Rated voltage	AC230V/415V
Frequency	50/60Hz
Maximum load power	According to customer needs
Load grading	According to customer needs
Load accuracy (per gear)	±2%
Connection mode	Three input,independent control power input
Control power	AC220V/50Hz
Insulation class	F
Working mode	Continuous work
Cooling mode	Forced air cooling,forward air outlet,rear air outlet
Control mode	Load switching of manual miniature circuit breaker
Protection function	High temperature alarm(70℃)high temperature automatic unloading(85℃)
Color/Style	Customized
Ambient temperature	-20℃to 50℃
Humidity	Up to 100%
Altitude	Up to 2500m
Atmospheric pressure	86 to 106kPa
Dimension	Reference above basic specification

ELECTRICAL LOAD BANK

Overview

The power density of RATAFE series electronic load is twice that of traditional load.It has wider current range and extremely high dynamic frequency,which effectively increases the test ability and application range.The powerful instantaneous overload capacity can reach more than 2 times of the rated power,which greatly improves the reliability of the load and effectively reduces the test cost.It has rich working modes and adjustable slope of voltage and current.

Application

1. Discharge test of power cell,lead-acid cell and fuel cell
2. BMS and battery protection device test
3. Test of power electronic devices such as DC charging pile and charging module
4. High power switching power supply,UPS power supply,communication power supply,server power supply test
5. Solar cell array,industrial motor virtual load test.

ELECTRICAL LOAD BANK

Electrical Load Bank Basic Specification							
Model	**Power**	**Voltage**	**Current**	**Model**	**Power**	**Voltage**	**Current**
RT2500-3U				**RT5000-6U**			
RT2500-28-80	2.5kW	28	80	RT5000-28-160	5kW	28	160
RT2500-60-40		60	40	RT5000-60-80		60	80
RT2500-80-30		80	30	RT5000-80-60		80	60
RT2500-150-20		150	20	RT5000-150-40		150	40
RT2500-300-10		300	10	RT5000-300-20		300	20
RT2500-500-6		500	6	RT5000-500-12		500	12
RT2500-600-5		600	5	RT5000-600-10		600	10
RT2500-750-3		750	3	RT5000-750-7		750	7
RT2500-1000-3		1000	3	RT5000-1000-6		1000	6
RT7500-7U				**RT10000-8U**			
Model	Power	Voltage	Current	Model	Power	Voltage	Current
RT7500-28-240	7.5kW	28	240	RT10000-28-320	10kW	28	320
RT7500-60-120		60	120	RT10000-60-160		60	160
RT7500-80-90		80	90	RT10000-80-120		80	120
RT7500-150-60		150	60	RT10000-150-80		150	80
RT7500-300-30		300	30	RT10000-300-40		300	40
RT7500-500-18		500	18	RT10000-500-24		500	24
RT7500-600-15		600	15	RT10000-600-20		600	20
RT7500-750-10		750	10	RT10000-750-14		750	14
RT7500-1000-8		1000	8	RT10000-1000-12		1000	12
RT15000-10U				**RT24000-13U**			
RT15000-28-480	15kW	28	480	RT24000-28-770	24kW	28	770
RT15000-60-240		60	240	RT24000-60-390		60	390
RT15000-80-180		80	180	RT24000-80-300		80	300
RT15000-150-120		150	120	RT24000-150-200		150	200
RT15000-300-60		300	60	RT24000-300-96		300	96
RT15000-500-36		500	36	RT24000-500-60		500	60
RT15000-600-30		600	30	RT24000-600-48		600	48
RT15000-750-20		750	20	RT24000-750-35		750	35
RT15000-1000-16		1000	16	RT24000-1000-30		1000	30

ELECTRICAL LOAD BANK

Electrical Load Bank Data Sheet		
Voltage	According to customer needs	
Current	According to customer needs	
Power	According to customer needs	
Current Resolving power	1.4mA	14mA
Current Accuracy	0.05% + 0.05% F.S.	
Voltage Resolving power	2mV	10mV
Voltage Accuracy	0.025% + 0.025% F.S.	
Resistance Range	0.015Ω ~ 2kΩ	
Resistance Accuracy	Vin divided by RSET multiplied by (0.2%) plus 0.2% F.S.	
Power Accuracy	0.2%plus 0.2% F.S.	
T1&T2	10us ~ 60s	
Resolving power	2us	
Power Accuracy	1us + 20PPM	
Gradient	1mA/us ~ 8A/us	
Rated voltage	AC 220V	
Rated frequency	50 ~ 60Hz	
Temperature	0-50℃	

BATTERY DISCHARGER

Overview

It has three functions of battery fast capacity test, online monitoring and capacity check test. It has high integration, small volume and perfect function.

Application

Battery discharger is mainly used for the discharge test of backup power lead-acid battery in Telecom, mobile, Unicom and DC power industry.

BATTERY DISCHARGER

Battery Discharger Basic Specification				
Model	**Type of cell voltage measurement**	**Constant current discharge voltage range**	**Working voltage (DC / AC optional)**	**Weight**
RATA-FDY48150	2V/12V	40 ~ 56V	AC 220V±15%	< 10.5Kg
RATA-FDY48300				< 13Kg
RATA-FDY48600				< 15Kg
RATA-FDY22030		180 ~ 280V		< 10.5Kg
RATA-FDY22060				< 13Kg

Battery Discharger Data Sheet	
Voltage test range of storage battery	48V/60V/72V/120V/220V/480V/600V
Voltage resolution of storage battery	0.01V
Voltage test accuracy	0.5%
Working range of discharge current	5-600A
Constant current discharge voltage range	According to customer needs
Control accuracy of discharge current	0.1A
Current measurement accuracy	1%
Type of cell voltage measurement	2V\12V
Cell voltage resolution	2V:0.001V /12V:0.01V
Number of monosomic segments detected	1
Working voltage	AC 220V±15%
Coolingmode	Strong wind cooling
Communication mode	RS232 communication and SD card communication
Display mode	7 inch color LCD display with touch
Weight	Reference above basic specification

DC LOAD BANK

Overview

The DC load bank of our company adopts high reliability relay for switching,which is suitable for all voltage levels.

Application

DC load bank (electric discharge load) is suitable for testing the output power and carrying capacity of communication and AC equipment such as power supply,UPS equipment,AC voltage regulator,inverter and switching power supply.It is used for daily maintenance test,engineering acceptance and factory inspection test of various DC power supply.

DC LOAD BANK

DC Load Bank Basic Specification			
Electric current(A)	**Voltage(V)**	**Size(mm,L*W*H)**	**Weight(Kg)**
100	DC12-DC1000	380*680*1020	120
200		600*680*1080	250
500		700*1000*1500	400
1000		800*1000*2000	500
1500		1000*1000*2200	650
2000		1000*1500*2200	800

DC Load Bank Data Sheet	
Rated voltage	According to customer needs
Load step	According to customer needs
Load accuracy	Each gear:±3%
Load accuracy	The whole machine is ±5%
Display accuracy	Grade 0.2
CONTROL POWER	External AC220V/50Hz
Connection mode	Load first DC power input—copper bar （DC positive and DC negative）
	Load second DC power input—copper bar （DC positive and DC negative）
	Control power input - Terminals （L+N）
Insulation class	F
Protection level	IP23
Cooling mode	Forced air cooling,side air inlet,side air outlet and upper air outlet
Noise	3 meters away from the equipment, less than or equal to 80 dB
Transport	Lifting, the top of the chassis with load-bearing rings, bottom with casters
Control mode	Local intelligent control
Function	I、V、kW real time display, electrical performance index detection, system electrical parameters monitoring
Color	Customized
Ambient temperature	-20℃to 50℃
Humidity	Up to 100%
Altitude	Up to 2500m
Atmospheric pressure	86to 106kPa

LOAD BANK

Load Bank Design & Production

As load bank manufacturer, we will make load bank design follow customers' load bank requirement and related standards,after the design accepted,load bank production will start and strictly based on the load bank design. Generally,it will takes about 3-5 weeks to produce the products.

Load Bank Factory Test

All the load bank will be strictly test before delivery at the factory to make sure they are running well and with no problem.

Load Bank Packing & Shipment

For smaller load bank, carton or wooden case will be supplied to pack them,for larger load bank,generally will be packed with plastic film. If there is another requirement from the customers,no problem for us.

Load Bank Installation

The installation of the load bank shall mainly pay attention to the moisture-proof, dust-proof, insect proof, shockproof, anti-corrosion, safe and easy to use.
Our company will fully consider the customer's use environment and requirements when designing and manufacturing the load bank based on related standards to ensure long-term safe and stable operation of the load bank.
There are lifting holes,forklift holes and castors for choose to make sure the load bank easy to move and install.

LOAD BANK

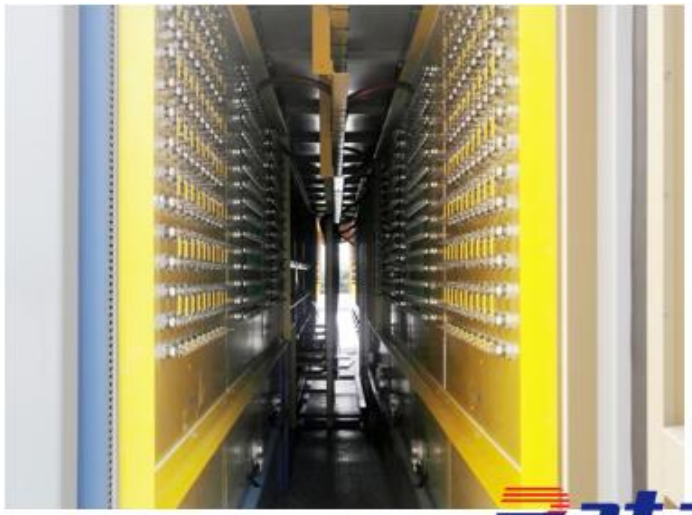
Load Bank Price

When designing, manufacturing, installing, after-sales service and other links, we will make corresponding plans according to the needs of customers, and different load bank plans will have different prices. For details, please contact our sales staff to give you an accurate quotation.

Service

1 years quality warranty.
Supply professional consult and reply technical question in time.
Arrange fast and safe shipment as contract date.
More products' special function please contact the sale manager.

PRODUCTS DETAILS



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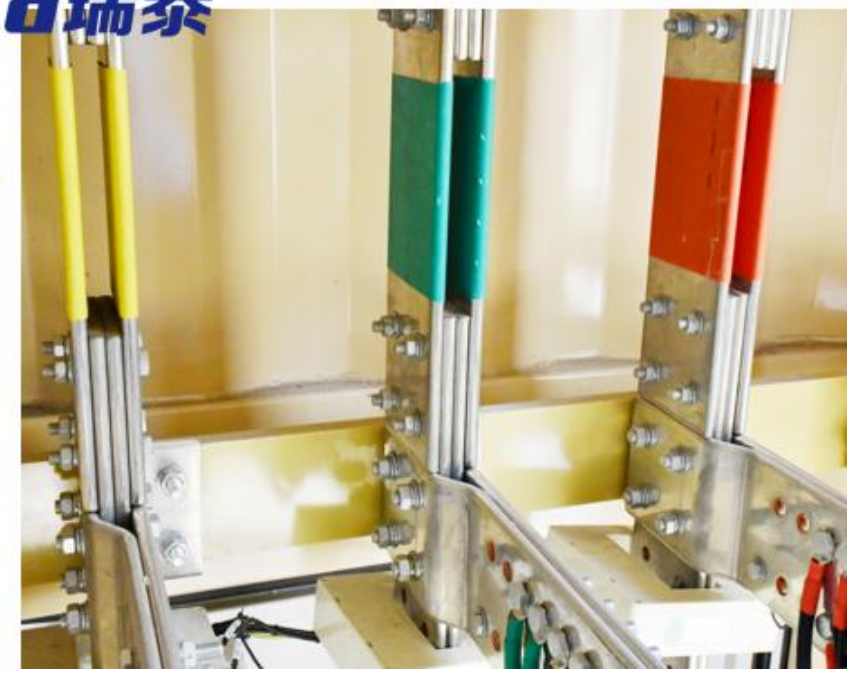
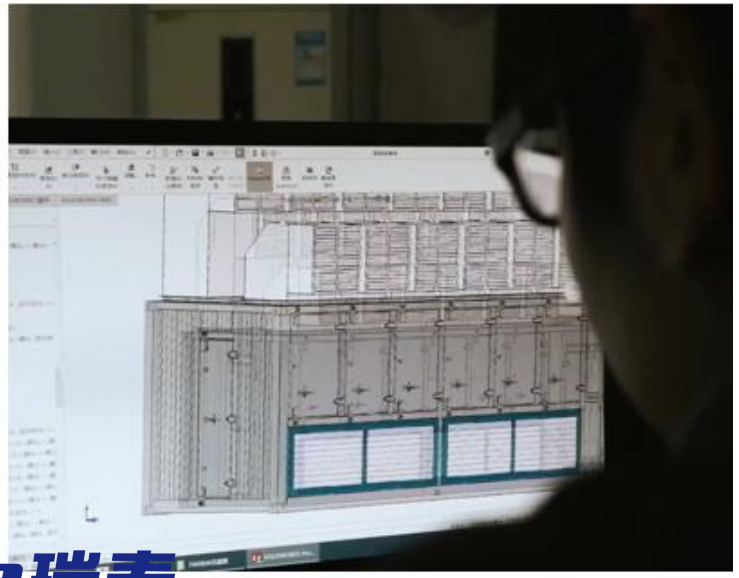
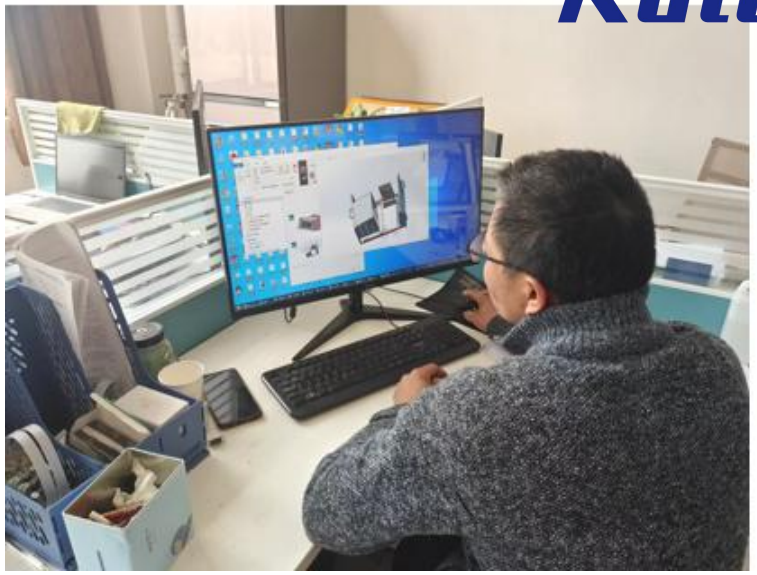


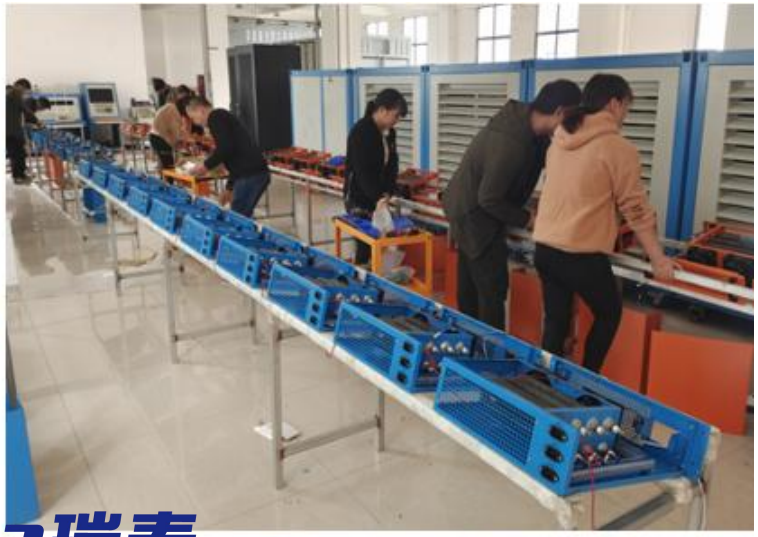
TECHNOLOGY



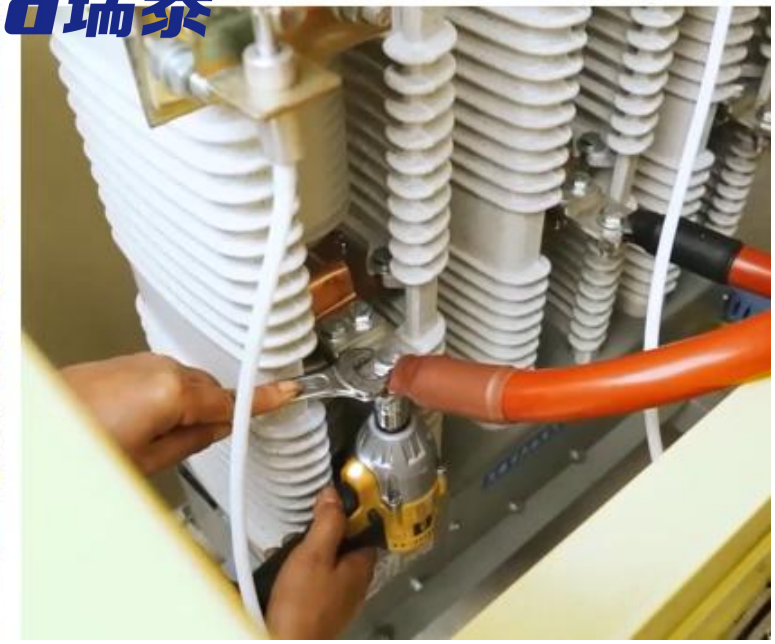
Rata瑞泰



PRODUCTION



Rata瑞泰



FACTORY TEST

PACKING & SHIPMENT

Rata瑞泰

APPLICATION

Rata瑞泰

Rata瑞泰

Deyang Rata Technology Co.,Ltd.

Add: Hongyu Road,Jinshan Industrial Zone,Luojiang District,Deyang City,China.

Attention: Mr.Winston

Sales Manager

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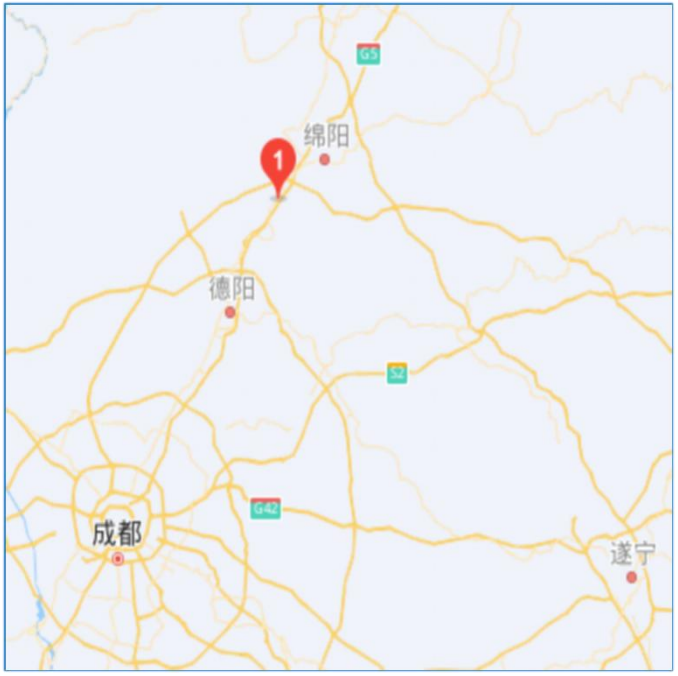

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