NEW ENERGY APPLICATION PROGRAM



Wechat official account Official website

Jiangsu Runic Technology Co.,Ltd

Jiangsu

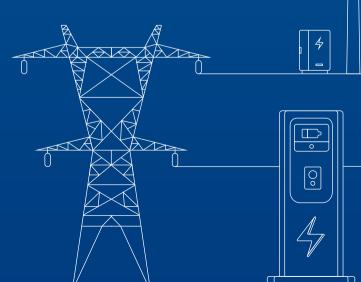
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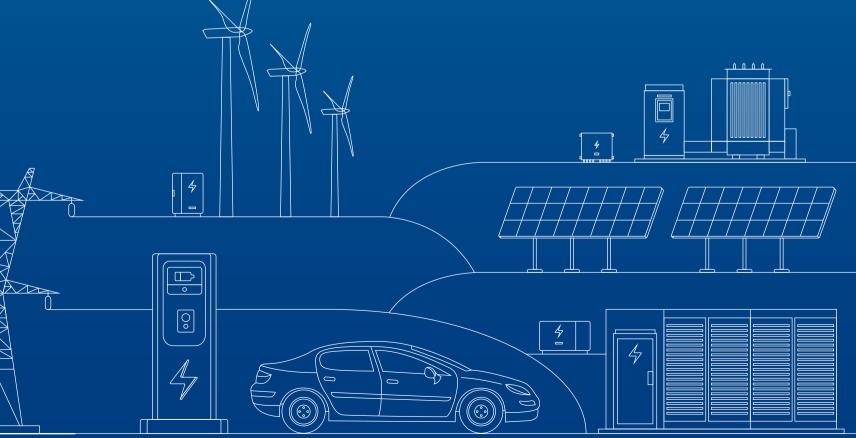
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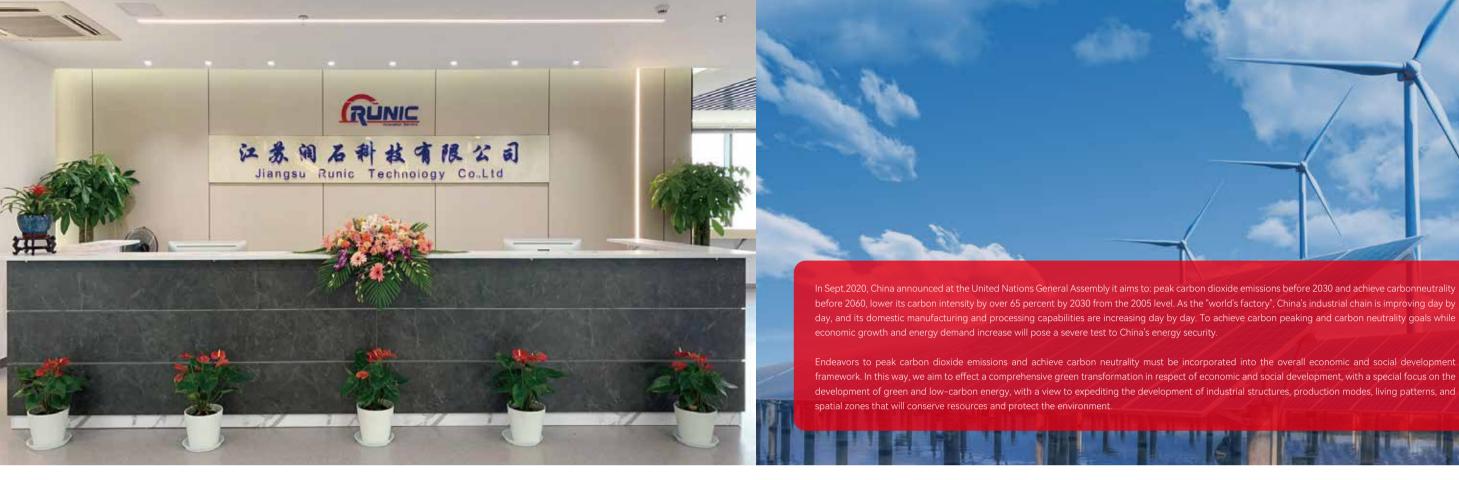




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To achieve carbon peaking and carbon neutrality goals





ENTERPRISE INTRODUCTION

Jiangsu Runic Technology Co., Ltd. is a high-tech semiconductor enterprise focusing on the research, development and sale of high-performance and high-quality analog / mixed signal integrated circuits. At present, it has completed the chip design and development of many categories.

Our main products included precision operational amplifiers, high-speed operational amplifiers, general operational amplifiers, low-noise operational amplifiers, micro power operational amplifiers, micro power comparators, analog switches, power management, data converters, level switch, voltage reference source etc., which are widely used in various fields ,such as industrial control, medical equipment, security monitoring equipment, instruments, automotive electronics, smart home and consumer electronics etc.

Our headquarter is at Wuxi City, Jiangsu Province, rooted in China, serving the world. Relying on Wuxi's good integrated circuit industry environment, integrating upstream and downstream resources. Our company committed to R & D and design of IOT sensor, medical electronics, industrial electronics and consumer electronics, and has successfully launched hundreds of products.

Runic has set up sales and technical service centers in Shenzhen, and has resided related staff in Beijing, Shanghai, Tianjin, Guangzhou, Zhengzhou, Korea and other places to provide all-round services nearby. Through several years of hard work, we has gradually formed a more mature domestic and overseas market sales system and a sound and perfect technical service system pre-sales, sales and after-sales, win many domestic and oversea's industry benchmark enterprise customers. meanwhile, we also has established a rapid response mechanism to understand customer needs, market prospects and industry trends at first time.

Runic technology always adheres "independent innovation, quality first, unity and cooperation, and customer achievement" as our core value. Continuously promotes analog / mixed signal chip products with stronger competitiveness and good market prospect, develops together with customers, creates mutual brilliance To make Runic chips active in every corner of the electronic product world, and determined to become a world first-class analog chip company !

- Chip Drives Future -

By the Central Committee of the Communist Party of China (CPC)

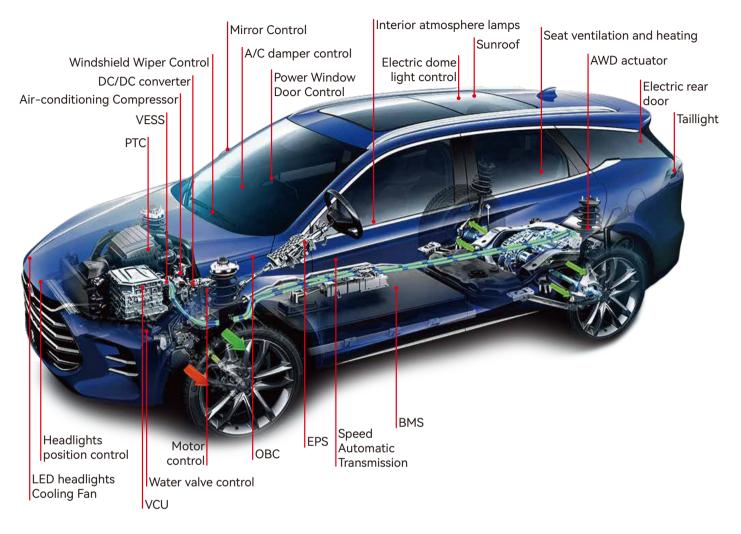
(Working guidance for carbon dioxide peaking and carbon neutrality in full and falthful implemention of the new development philosophy)

By 2025, China will have created an initial framework for a green, low-carbon and circular economy and greatly improved the energy efficiency of key industries. Energy consumption per unit of GDP will be lowered by 13.5% from the 2020 level; carbon dioxide (CO2) emissions per unit of GDP will be lowered by 18% from the 2020 level; the share of non-fossil energy consumption will have reached around 20%; the forest coverage rate will have reached 24.1%, and the forest stock volume will have risen to 18 billion cubic meters. All the above will lay a solid foundation for carbon dioxide peaking and carbon neutrality.

By 2030, China will see significant accomplishments from the comprehensive green transformation in economic and social development, with energy efficiency in key energy-consuming industries reaching advanced international levels. Energy consumption per unit of GDP will have declined significantly; CO2 emissions per unit of GDP will have dropped by more than 65% compared with the 2005 level; the share of non-fossil energy consumption will have reached around 25%, with the total installed capacity of wind power and solar power reaching over 1200 gigawatts; the forest coverage rate will have reached about 25%, and the forest stock volume will have reached 19 billion cubic meters. CO2 emissions will reach peak and stabilization and then decline.

By 2060, China will have fully established a green, low-carbon and circular economy and a clean, low-carbon, safe and efficient energy system. Energy efficiency will be at the advanced international level, and the share of non-fossil energy consumption will be over 80%. China will be carbon neutral, and it will have achieved fruitful results in ecological civilization and reached a new level of harmony between humanity and nature

Jiangsu Runic Technology provides a series of high precision and high reliability products in power system, in-vehicle infotainment, instrument panel, body control electronics, car sensors etc fields.



Cabin Parts

Infotainment, Instrument cluster, Head unit & Amplifier, Digital Cockpit, T-BOX(V2X)



Intelligent cockpit ► High-precision LDO RS3236 High Voltage LDO RS73xx-1 / RS3007 Level Converter RS010X / RS2T45 / RS4T245 Analog Switch RS2227 / RS2228 Load Switch RS2588 Low Noise Operational Amplifier RS62X

Car Body Parts

BCM、Door & Window、Lighting、Seats、Steering wheel、Heating & cooling、Mirrors

HVAC Compressor Low Offset Voltage Operational Amplifier RS721P / RS722P / RS724P General-purpose Op-amp I M358 ► High-precision Op-amp RS8551 RS393 LM2901 / LM2903 Small Logic

Power Parts

VCU、OBC&DC-DC、BMS、Inverter & motor control、Gear Box、EPS



VCU ► Low offset Op-amp RS721P / RS722P / RS724P General-purpose Op-amp RS321 / RS358 / RS324

► High Voltage general Op-amp RS8412 / RS8414 RS8422 / RS8424

Shunt Voltage Reference RS431 / RS432 Level Converter

RS2T45 / RS0104 / RS0204 RS0108 / RS8T245

Motor Cotrol

► Low offset Op-amp RS721P / RS722P / RS724P ► General-purpose Op-amp RS321 / RS358 / RS324 LM358

High Voltage general Op-amp RS8411 / RS8412 / RS8414 ▶ High Voltage Comparator

LM393 / LM331 / LM2903 I M2901

Shunt Voltage Reference RS431 / RS432

Level Converter RS2T45 / RS8T245 Small Logic

RS4G00 / RS1G08 / RS2G08 RS4G08 / RS1G17 / RS1G125

Gear box

► Low offset Op-amp RS721P / RS722P / RS724P ► General-purpose Op-amp RS321 / RS358 / RS324

LM358 High Voltage general Op-amp RS8411 / RS8412 / RS8414

▶ High-precision Op-amp RS8551 High Voltage Comparator

LM331 / LM2903 Shunt Voltage Reference

RS431 / RS432 Small Logic

RS4G00 / RS1G08 / RS2G08 RS4G08 / RS1G17 / RS1G125

BMS ► Low offset Op-amp

RS721P / RS722P / RS724P General-purpose Op-amp RS321P / RS358 / LM358 ▶ High Voltage general Op-amp RS8411 / RS8412 / RS8414 ► High-precision Op-amp RS855X

▶ High-speed Comparator RS331 / RS393 High Voltage Comparator LM331 / LM2901 / LM2903

Shunt Voltage Reference RS431 / RS432

Level Converter RS2T45 / RS0204 / RS0108 Small Logic

RS4G00 / RS1G08 / RS2G08 RS4G08 / RS1G17 / RS1G125

High Voltage general Op-amp RS8411P / RS8412

High-speed Comparator

► High Voltage Comparator

Shunt Voltage Reference RS431 / RS432

RS4G125 / RS1G126

DC/DC converter

RS321 / RS358 / LM358

OBC

RS8411 / RS8412 / RS8414 ▶ High-precision Op-amp RS855X

► High-speed Comparator

RS331 / RS393 ► High Voltage Comparator

LM331 / LM2901 / LM2903 Shunt Voltage Reference RS431 / RS432

Analog Switcg RS2251 / RS2166 / RS2057

LM393 / LM2903 Shunt Voltage Reference RS431 / RS432

► Low offset Op-amp Low offset Op-amp RS721P / RS722P / RS724P RS721P / RS722P / RS724P RS821P RS6331P ► General-purpose Op-amp ► General-purpose Op-amp

RS321 / RS358 / LM358 ▶ High Voltage general Op-amp High Voltage general Op-amp RS8411 / RS8412 / RS8414 High-speed Op-amp

RS8751 / RS8752

▶ High-speed Comparator RS331 / RS393

► High Voltage Comparator

GPS Tracker

Low-power comparators RS8901 High Voltage LDO RS3221/RS3236 High-precision Op-amp RS8511

Mobile wireless charging

High Voltage LDO RS73xx-1 General-purpose Op-amp LM358

Driving recorder

High Voltage LDO RS3236 ► High Voltage LDO RS73xx-1 / RS3007 Level Converter RS010X / RS2T45 / RS4T245 Analog Switch RS2227 / RS2228 Load Switch RS2588 ▶ Low Noise Operational Amplifier RS62X

Door module

Low Noise Operational Amplifier RS721 / RS722

- ► General-purpose Op-amp RS358A / LM358
- ▶ High Voltage general Op-amp RS8412 / RS8422
- ► High-speed Comparator RS331
- High Voltage Comparator LM2903

BCM

Low Noise Operational Amplifier RS722

► General-purpose Op-amp RS321 / RS324 / RS358A RS6331 / RS6334 / LM358

▶ High Voltage general Op-amp RS841X / RS842X

► High-speed Comparator RS331

High Voltage Comparator LM2901 / LM2903

Shunt Voltage Reference RS31XX

Analog Switcg RS2057 / RS225X

Level Converter RS2T45 / RS0204 / RS0108

Small Logic RS1G17 / RS1G125 / RS4G125 RS1G126 / RS1G07

EPS

► Low offset Op-amp RS721P / RS722P / RS724P General-purpose Op-amp RS321 / RS358 / LM358 High Voltage general Op-amp RS8411 / RS8412 / RS8414 High-precision Op-amp RS8551 High-speed Comparator RS331 / RS393 High Voltage Comparator LM331 / LM2901 / LM2903 Analog Switcg RS2057 Small Logic RS1G08 / RS2G08 / RS1G125

VESS

► Low offset Op-amp RS721P / RS722P / RS724P ► General-purpose Op-amp RS321 / RS358 / LM358 High Voltage general Op-amp RS8411 / RS8412 / RS8414 ▶ High-speed Comparator RS331 ▶ High Voltage Comparator LM331 / LM2903 Level Converter RS2T45 / RS0102 / RS0202

Application of Runic Products Energy Storage

In 2020, China commits, to peak carbon dioxide emissions before 2030 and achieve carbon neutrality before 2060. Wind and Solar power will become the center of the China energy system.

Jiangsu Runic Technology's low-offset voltage operational amplifiers, high-voltage general-purpose operational amplifiers, high-voltage comparators, level conversion, analog switches, voltage reference sources, small logic, reset and other series of chips are used in the field of new energy photovoltaics, energy storage, and outdoor power supplies.



Voltage Reference

► High VoltageGeneral-purpose Op-amp ► Shunt Voltage Reference RS845x / RS841x / RS845xP RS431 / RS432 RS841xP

High Voltage Comparator

LM2903 / LM2901

Level Converter

DSP/FPGA Voltage Monitoring

RS010x / RS020x / RSxT245 RSxT45

Voltage Detection and Reset

RS706 / RS809

RS8539 / RS8557

RS72xP

RS72x

High Voltage Comparator

LM2901 / LM2903 / LM393

Low Noise Operational Amplifier



concentrated energy storage and portable power.

Energy Storage

RSxT45

► High precision general-purpose Op-amp ► LDO



"New Infrastructure" spurs new-energy vehicle charging stations. And, this greatly makes the charging stations more accessible for the electric vehicle. Meanwhile the electric vehicle will promotoe EV charging station's revolution. Kinds of analog chips are wildly used in AC/DC charging point's high voltage leakage detection, CP/CC detection, voltage/current/ temperature sample test, liquid-cooled charging gun's and it's temperature test.



General-purpose Op-amp	🕨 High V
LM358 / RS358 / RS633x	RS84xx
High Voltage Comparator	Low-o
LM2903 / LM2901	RS62xP

/oltage General-purpose Op-amp 🕨 Low Noise Operational Amplifier / RS845x RS62x offset Voltage Operational Amplifier RS62xP / RS633xP

AC-DC

Sequential & Shaping Circui

Small Logic RS1G14 / RS6G14 / RS1G08 RS4G08 / RS6G07 / RS244/5

Jiangsu Runic Technology's low-offset voltage operational amplifiers, high-voltage general-purpose operational amplifiers, high-voltage comparators, level conversion, analog switches, voltage reference sources, small logic, reset and other series of chips are used in the field of rectifier of the wind power system



► High VoltageGeneral-purpose Op-amp ► High Voltage Comparator LM2903 / LM2901 RS845x / RS842x Sequential & Shaping Circuit DSP/FPGA Voltage Monitoring Shunt Voltage Reference Voltage Detection and Reset RS431 / RS432 RS706 / RS809 Sequential & Shaping Circuit Level Converter Small Logic RS1G14 / RS6G14 / RS1G08 RS010x / RS020x / RSxT245 RSxT45 RS4G08 / RS6G07 / RS244/5

Energy storage has been viewed as a key component of the new energy revolution, Jiangsu Runic Technology's precision operational amplifier, high voltage genral-purpose operational amplifier, high voltage comparators, level converter, voltage reference, LDO etc IC are wildly used in

Concentrated solar power (CSP) is particularly suitable for high power and long-term power supply scenarios to dispatch electricity generation, which requires high ability to adjust, control and plan in the operation management centralized scheduling of electric power system.

Portable power gets rid of "wire" restrictions, electrical devices can be powered by lightweight, portable, high capacity, high power standby power station, which are applied to outdoor travelling, emergency rescue, medical equipment power supply fields.

Charging Station low Noise Operational Amplifier Analog Switch RS2251 / RS2252 / RS2257 RS72x RS2102 High Voltage General-purpose Op-amp Voltage Reference RS842x / RS845xP / RS841x RS431 / RS432 High Voltage Precision Operation Op-a Logic IC RS865x RS1G14 / RS6G14 / RS6G07 ▶ High Voltage Comparator RS4G08 / RS245 LM2903 / LM2901 Reset Level Converter RS809 / RS706 RS010x / RS020x / RSxT245 RSxT45

Logic IC RS2G17 / RS2G14 / RS1G00 RS244 / RS245

Analog Switch RS2251