

To make runic chips active in every corner of the world!



NEW ENERGY APPLICATION



Website

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Jiangsu Runic Technology Co.,Ltd

Jiangsu

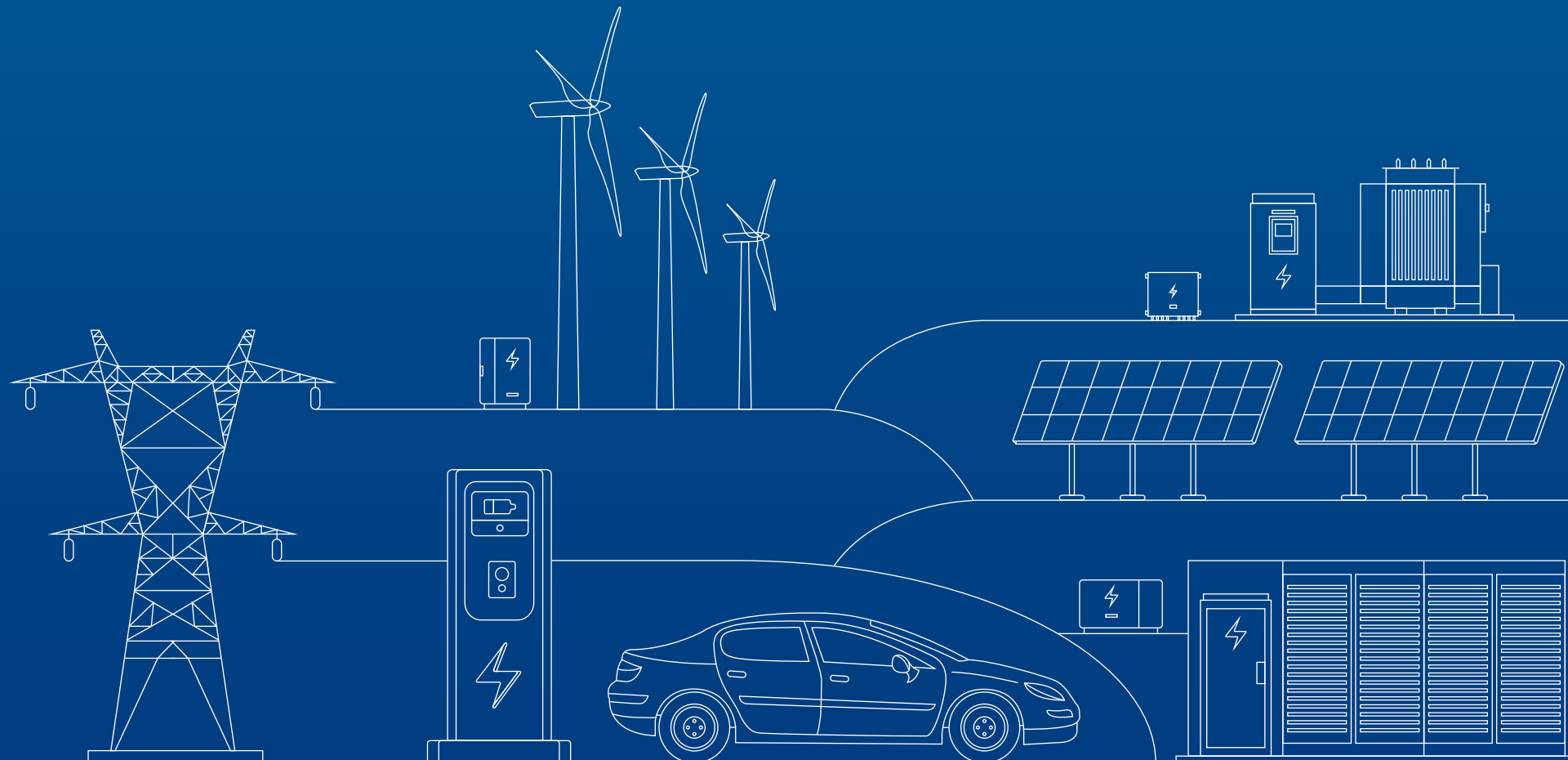
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To achieve carbon peaking - peak and carbon neutrality goals

COMPANY PROFILE

2014

August 2014, Jiangsu Runic Technology Co., Ltd. established

2017

Passed ISO9001: 2015 quality management system

2018

Recognized as Jiangsu high-tech enterprise
Obtained technology-based SME innovation fund
Wuxi New High-Tech District Leading Talent Entrepreneurship
Best Innovation Award

2019

Jiangsu Province AAA Enterprise Credit Ratings
Wuxi Technological Innovation pioneer and Entrepreneurship Competition
Most Potential IC Design Company Award
Best Power IC Product Award

2020

September 2020, Jiangsu Runic Technology Headquarter moved to NO.8-1504 TIANSHANROAD,
NEW DISTRICT WUXI
China Analog Semiconductor Leap Achievement Outstanding Business Award
Best China Analog IC Product Award
30 Patent Rights
14 Utility model patent

2021

October 2021 Jiangsu Runic Technology(Shenzhen Branch)moves to Shenzhen IC Industry Park
2021 China IC design Achievements Best Operational Amplifiers/data converters
2021 China Analog Semiconductor Leap Achievement Outstanding Business Award
Korean branch established

2022

AEC-Q100 qualified products released
2022 China IC design Achievements Best Operational Amplifiers/data converters/Isolator of the year
Taiwan branch established

Runic Technology is a fast-growing, innovative semiconductor design and manufacture company that focus on general purpose and high-performance analog and mixed-signal ICs.

Our product portfolio includes op-amps, comparators, analog switches, data converters, level shifters, little logic ICs, voltage references, LDOs, DC/DCs, load switches, reset ICs. These products are widely used in various industries, such as consumer electronics, computing, communications, industrial, and automotive markets.

Runic Technology's headquarter is located in Wuxi, China. We have global sales offices in South Korea and Taiwan and distribution partners in Europe and Americas.

Our Goal is to become a world-class analog IC supplier and bring our IC to serve worldwide customers.

RUNIC





AEC-Q100 GRADE1 QUALIFIED ANALOG IC

「Operational Amplifier」

「Comparator」

「Analog Switch」

「Linear Regulator」

「Little Logic Series」

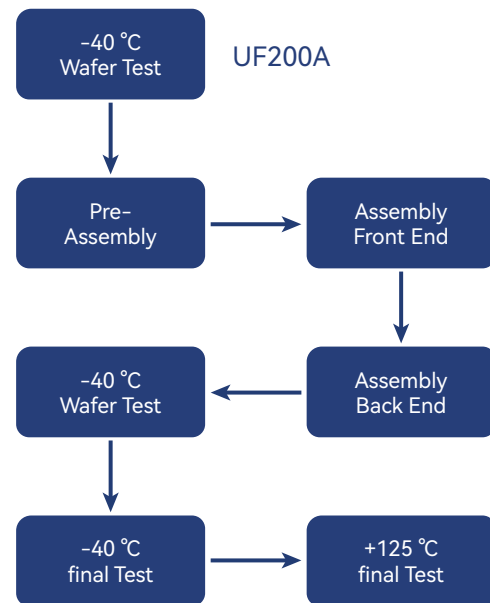
「Level Converter」

「Voltage Reference」

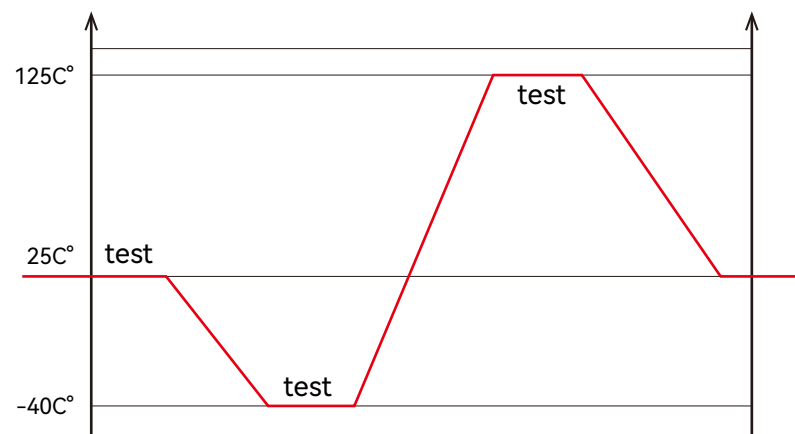
「Power Products」

Highest standard TSK tri-temperature prober and industry leading Cohu tester are used to implement Runic's tri-temperature test.

TRI-TEMPERATURE TESTING PROCESS



Rasco-1000/2000 or Equivalent

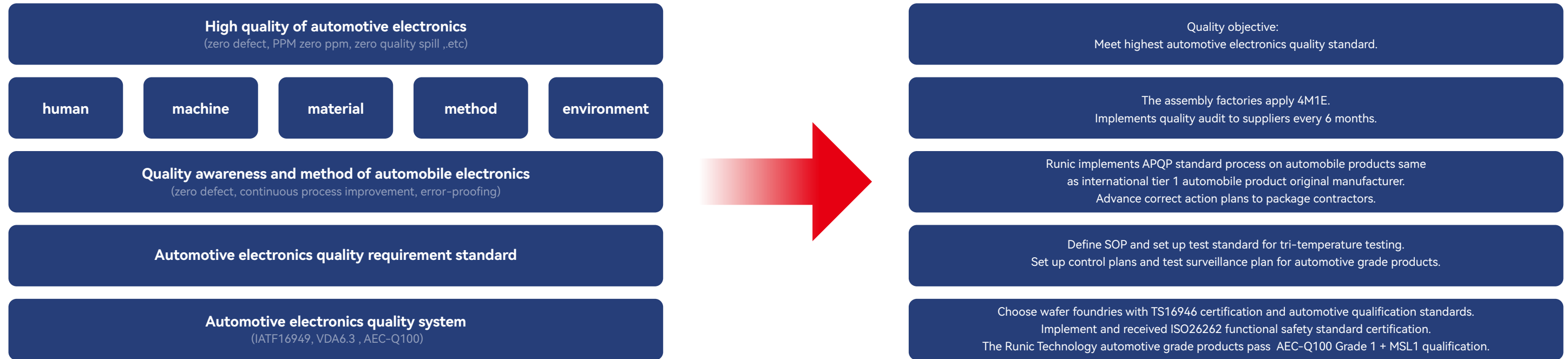


Runic implements low temperature test to screen wafer level early defects and room/high temperature tests for finished goods. All automotive grade products at Runic will go through full tri-temperature test flow.



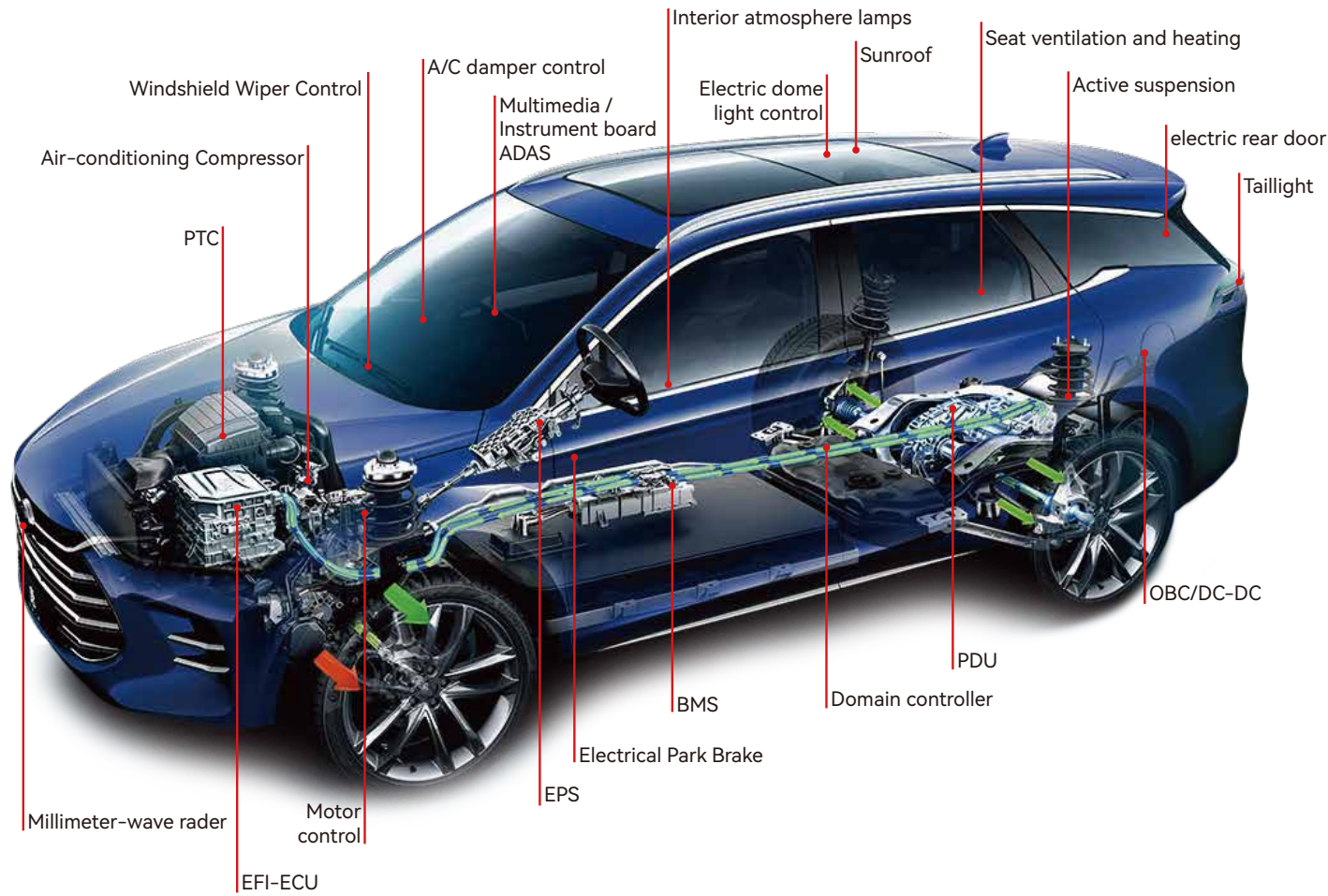
AUTOMOTIVE ELECTRONICS QUALITY SYSTEM

Runic Technology is continuously pursuing higher quality management systems. We have established DQE, SQE, CQE, QS to improve quality management on design, manufacture and test, which will result in higher product quality.



Applications of Runic Products in Automotive Electronics

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 Op-amp RS62X

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

Car Body Parts

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



HVAC Compressor

- ▶ Low Offset Voltage Op-amp RS721P / RS722P / RS724P
- ▶ General-purpose Op-amp LM358
- ▶ High-precision Op-amp RS8551
- ▶ High Voltage general Op-amp RS8411P / RS8412
- ▶ High-speed Comparator RS393
- ▶ High Voltage Comparator LM2901 / LM2903
- ▶ Shunt Voltage Reference RS431 / RS432
- ▶ Small Logic RS4G125 / RS1G126

Door module

- ▶ Low Noise Op-amp RS721 / RS722
- ▶ General-purpose Op-amp RS358A / LM358
- ▶ High Voltage general Op-amp RS8412 / RS8422
- ▶ High-speed Comparator RS331
- ▶ High Voltage Comparator LM2901 / LM2903

BCM

- ▶ Low Noise Op-amp 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

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
- ▶ Shunt Voltage Reference RS431 / RS432
- ▶ Level Converter RS2T45 / RS0104 / RS0204 / RS0108 / RS8T245

Motor Control

- ▶ Low offset Op-amp RS721P / RS722P / RS724P
- ▶ General-purpose Op-amp RS321 / RS358 / RS324
- ▶ High Voltage general Op-amp RS8411 / RS8412 / RS8414
- ▶ High Voltage Comparator LM393 / LM331 / LM2903
- ▶ 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
- ▶ 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

OBC

- ▶ 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 RS855X
- ▶ High-speed Comparator RS331 / RS393
- ▶ High Voltage Comparator LM331 / LM2901 / LM2903
- ▶ Shunt Voltage Reference RS431 / RS432
- ▶ Analog Switcg RS2251 / RS2166 / RS2057

DC/DC converter

- ▶ Low offset Op-amp RS721P / RS722P / RS724P
- ▶ General-purpose Op-amp RS321 / RS358 / LM358
- ▶ High Voltage general Op-amp RS8411 / RS8412 / RS8414
- ▶ High-speed Op-amp RS8751 / RS8752
- ▶ High-speed Comparator RS331 / RS393
- ▶ High Voltage Comparator LM393 / LM2903
- ▶ Shunt Voltage Reference RS431 / RS432

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 in Energy Storage

In 2020 China commits to reach carbon dioxide emission peak before 2030 and achieve carbon neutrality before 2060. Wind and solar power therefore become the main sources of China's energy system.

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 product families are used in the field of new energy photovoltaics, energy storage, and outdoor power supplies.



Busbar Voltage/Current/ Temperature monitoring

- ▶ High Voltage General-purpose Op-amp
RS845x / RS841x / RS845xP / RS841xP

Voltage Reference

- ▶ Shunt Voltage Reference
RS431 / RS432

Comparator Circuit/ Over Current Protection

- ▶ High Voltage Comparator
LM2903 / LM2901

DSP/FPGA Communication with the driver

- ▶ Level Converter
RS010x / RS020x / RSxT245 / RSxT45

DSP/FPGA Voltage Monitoring

- ▶ Voltage Detection and Reset
RS706 / RS809

Sequential & Shaping Circuit

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

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 ICs are used in the field of rectifier of the wind power system .



Wind Speed/Location/Temp/ Voltage Detection

- ▶ High Voltage General-purpose Op-amp
RS845x / RS842x

Sequential & Shaping Circuit

- ▶ Shunt Voltage Reference
RS431 / RS432

DSP/FPGA Communication with the driver

- ▶ Level Converter
RS010x / RS020x / RSxT245 / RSxT45

Comparator Circuit/ Over Current Protection

- ▶ High Voltage Comparator
LM2903 / LM2901

DSP/FPGA Voltage Monitoring

- ▶ Voltage Detection and Reset
RS706 / RS809

Sequential & Shaping Circuit

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

Energy storage has been viewed as a key component of the new energy revolution. Runic Technology's precision operational amplifier, high voltage general-purpose operational amplifier, high voltage comparators, level converter, voltage reference, LDO etc IC are widely used in concentrated energy storage and portable power.

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 stations, which are commonly used in outdoor travelling emergency rescue and medical equipment power suppliers.

Energy Storage

- ▶ High precision general-purpose Op-amp
RS8539 / RS8557
- ▶ High Voltage Comparator
LM2901 / LM2903 / LM393
- ▶ Low-offset Op-amp
RS72xP
- ▶ Low Noise Op-amp
RS72x
- ▶ LDO
RS7533 / RS7550
- ▶ Voltage Reference
RS431 / RS432
- ▶ Level Converter
RS010x / RS020x / RSxT245 / RSxT45



"New Infrastructure" spurs new-energy vehicle charging stations. This makes charging stations more accessible for electric vehicles. Meanwhile electric vehicles will promote EV charging station's revolution. Analog ICs are widely used in AC/DC charging point's high voltage leakage detection, CP/CC detection, voltage/current/temperature sample test, liquid-cooled charging gun and its temperature test.



Charging Station

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

AC-DC

- ▶ General-purpose Op-amp
LM358 / RS358 / RS633x
- ▶ High Voltage Comparator
LM2903 / LM2901
- ▶ High Voltage General-purpose Op-amp
RS84xx / RS845x
- ▶ Low-offset Voltage Op-amp
RS62xP / RS633xP
- ▶ Low Noise Operational Amplifier
RS62x
- ▶ Logic IC
RS2G17 / RS2G14 / RS1G00 / RS244 / RS245
- ▶ Analog Switch
RS2251