SANYODENKI

Company Profile 2020



We at SANYO DENKI Group Companies, aim to help all people achieve happiness, and work with people to make their dreams come true.

To carry out the corporate philosophy, we do the following:

For Environment...

For society and the natural environment we will help preserve the global environment and contribute to the prosperity of mankind through our corporate activities.

For Customers...

For customers and users we will create new values through technology, products and services.

For Suppliers...

For suppliers and vendors we will strive for integrated technical development and harmonious mutual prosperity through parts purchase, production contracting and joint development.

For Investors...

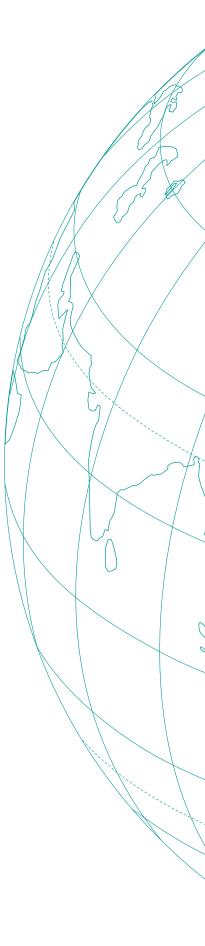
For investors and financial institutions we will increase our investment worth and credit through sound management policy and good access to information.

For Competitors...

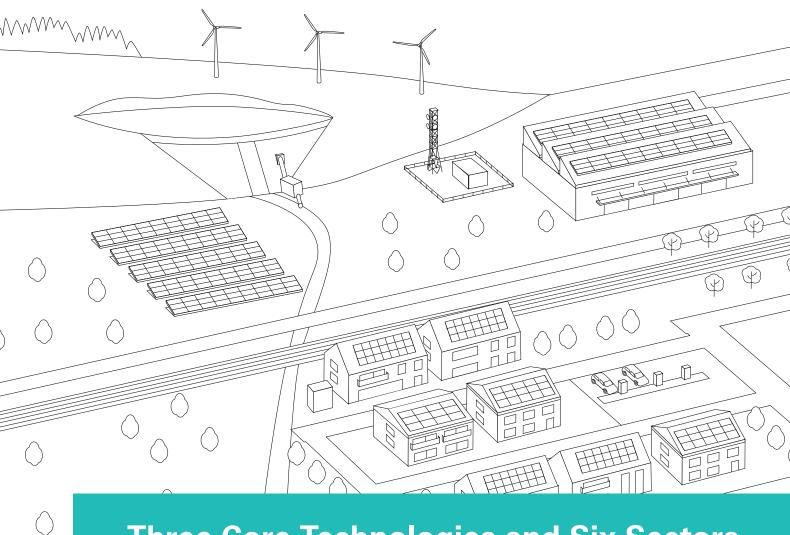
For competitors and the industry we will strive to build industrial and technical development through technical alliances and competition.

For Employees...

For all of our employees we will help individuals to achieve self-fulfillment through their work and the company.







Three Core Technologies and Six Sectors

SANYO DENKI is committed to develop new technologies and products in six sectors on the basis of three technological concepts.

Three Core Technologies



Technology for protecting the global environment



Technology for protecting people's health and safety



Technology for using new energy sources and saving energy

Six Sectors















Medical

Business sector that manufactures medical and nursing equipment for contributing to human health.



Information and communications

Business sector that manufactures ICT equipment such as computers, communications equipment, and their peripheral devices.



Industrial

Business sector that manufactures industrial automation equipment such as machine tools and robots



Environmental protection

Business sector that manufactures equipment for promoting the protection of the global environment.



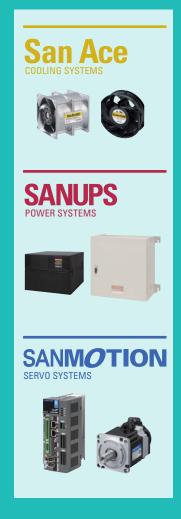
Home automation

Business sector that manufactures equipment for improving lifestyle.



Energy utilization

Business sector that manufactures equipment for electric power generation and conversion, energy saving, and new energy utilization.



San Ace

COOLING SYSTEMS

Devices using electronic components do not operate properly without heat control solutions.

Our San Ace Cooling Systems products can ensure the stable operation of these devices.

By developing products that feature industry-leading performance, quality, and reliability, we will contribute to improving the performance and reliability of our customers' equipment.

Product Lineup















DC Cooling Fan

All of our DC fans feature high reliability and high cooling performance. In addition to standard DC cooling fans, the product lineup includes fans with various features, such as Counter Rotating Fans, Centrifugal Fans, Blowers, and Low Power Consumption Fans. These are suitable for cooling servers, storage, ICT equipment, and the like.

- DC Cooling Fan
- Low Power Consumption Fan
- Silent Fan
- Counter Rotating Fan
- Centrifugal Fan
- Blower
- Reversible Flow Fan

Endurance Fan

Endurance fans are DC fans with excellent environmental durability. The series lineup consists of the Wide Temperature Range Fans for use in a temperature range of -40°C to +85°C, Splash Proof Fans for use in water-exposed environments, Long Life Fans with continuous operability of up to 20 years, Oil Proof Fans for use in oil mist environments, and other fans that can maintain stable operation in severe environments.

Wide Temperature Range Fan

- Splash Proof Fan
- Splash Proof Centrifugal Fan
 Splash Proof Blower
- Oil Proof Fan
- Long Life Fan
- Long Life Counter Rotating Fan
- G Proof Fan

AC Cooling Fan

These are long life, high reliability AC cooling fans. In addition to standard AC cooling fans, the lineup includes ACDC fans which internally convert AC power to DC power. They are suitable for the cooling of ICT equipment, control panels, and FA related devices.

- ACDC Fan
- AC Fan



Cooling Fan Unit

Cooling fan units have multiple fans embedded in steel sheets or trays. Customized units can be built to satisfy customer requests.



Airflow Tester

This is a compact and portable measuring instrument for measuring airflow and system impedance within a device. By using measurement results during thermal design simulation, you can easily and accurately select the optimum fan for a given device.





PWM Controller

This device can remotely control the speed of a PWM fan. With this product, PWM fans can be fully utilized without the need for preparing new circuits. The lineup has two types: a Box type that only requires wiring, and a PCB type that must be integrated into equipment.





San Ace Controller

This IoT-enabled product can perform automatic control and remote monitoring of PWM fans. It can control the individual speeds of up to four fans. It can monitor and control fans in remote locations via a cloud server, contributing to equipment failure detection and preventive maintenance.

■ Base Station











Long Life Fan Centrifugal Fan

Counter Rotating Fan

Splash Proof Fan

Base stations of cellular phones have a high component density and generate a large amount of heat, requiring fans with high cooling and ventilation performance. Therefore, for the cooling and ventilation of inside base stations, it is best to use Counter Rotating Fans or Centrifugal Fans featuring high airflow and static pressure, and Long Life Fans with continuous operability of up to 20 years. Also, Splash Proof Fans are suitable for use in devices installed outdoors.

■ Digital Signage





Splash Proof Fan



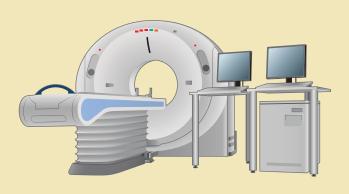
Splash Proof Centrifugal Fan



Low Power Consumption Fan

Digital signage today uses brighter displays and emits a lot of heat, requiring high-performance cooling fans. In addition, its long operating time requires fans with low power consumption ratings. It also requires waterproof and dustproof performance as it may be installed not only indoors but also outdoors. Therefore, our Low Power Consumption Fans, Splash Proof Fans, and Splash Proof Centrifugal Fans are suitable for this use.

■ Medical Equipment









Low Power Consumption Fan



Sile



Blowe

CT scanners used in the medical field are required to operate quietly and with less vibration to give patients peace of mind. Our products suitable for those devices include: low noise Silent Fans, highly efficient Low Power Consumption Fans, and G Proof Fans that can withstand the high G-force inside the scanner.

POWER SYSTEMS

SANUPS

The electronic devices and communication networks indispensable for our daily lives cannot be maintained without a stable power supply.

Our SANUPS Power Systems products, including uninterruptible power supplies (UPS) and renewable energy inverters, supply high-quality and stable power to customers' equipment in the event of unexpected power outages as well as in normal situations.

They can be used for disaster management and business continuity planning purposes as well.

Product Lineup









UPS (Uninterruptible Power Supply)

This device continually supplies power so that a system can function safely without abnormal stoppages or damage in the event of a power outage. We have added UPSs with lithium-ion batteries to our product lineup. UPSs are used as backup power for critical applications such as information systems and financial systems which are required to operate without interruption.

- Online UPS
- Hybrid UPS
- Parallel Processing UPS
- Standby UPS

Renewable Energy Inverter

This device supplies power by converting DC power generated by photovoltaic generation systems into AC power. For use in public facilities and industrial installations. Also, with internet access and the SANUPS NET cloud service, PV system status can be monitored from devices such as computers or smartphones. A new power conditioner for wind power and hydroelectric power generation systems had been added to the product lineup.

Grid Management System

This unit enables efficient electricity use within a microgrid small-scale energy network. One of its main features is storing excess power generated from distributed energy sources, such as photovoltaic and wind power, in lithium-ion or other types of batteries to use power economically.









■ Voltage Dip Compensator

This device supplies power without interruption in the event of instantaneous power outages or voltage dips, preventing factory facilities from failing or malfunctioning. It is suitable for factory facilities and power equipment.



This inverter converts DC to stable AC power. The inverter provides the highest possible stability by maintaining a one unit reserve capacity. It prevents equipment malfunction due to waveform disturbance by outputting complete sine waves, making it essential for use in ICT equipment.

Static Transfer Switch

This device constantly monitors two power sources, a regular and a spare, and when a voltage dip or power failure occurs it switches the power supply from the regular source to the spare source to continue the power supply without interruption. It is suitable for ICT equipment and other critical load equipment requiring reliability.

Emergency Diesel Generator Power Generation Vehicle

These are a diesel generator and power generation vehicle that supply power to public, telecommunication, and infrastructure facilities during emergencies. Combined with a SANYO DENKI uninterruptible power supply (UPS), they ensure continuous supply of stable power over long periods without interruption.

■ Emergency Management Infrastructures



Cellular Base Station





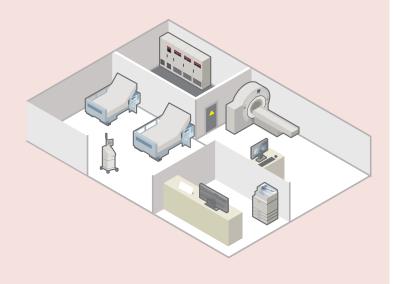
River Security Camera



UPS (Uninterruptible Power Supply)

Road signs, monitoring cameras, and base stations of cellular phones are subject to harsh environments indoors and outdoors, requiring backup power UPSs with high environmental durability. Our lithium-ion battery UPSs are perfect for such needs; their long service life reduces maintenance work and wide operating temperature range ensures stable operation even in extreme temperatures, both indoors and outdoors. Furthermore, our outdoor UPS features superior waterproof and dustproof performance with an IP65 protection rating.

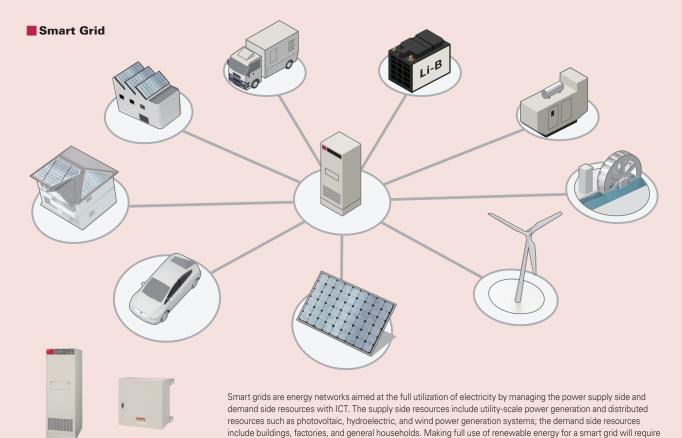
■ Medical Institution





UPS (Uninterruptible Power Supply)

Devices used in medical locations are required to operate with no interruption. Device damage and malfunction caused by power outages or voltage sags could interrupt an analysis or force its restart. To prevent such risks, UPSs are ideal because they can supply power without interruption.



not only to raise the amount of power generation, but also to store the generated electricity in storage batteries and

Grid Management System Renewable Energy Inverter to consume it on site for emergency management and business continuity planning (BCP) purposes. Our products suitable for such networks include: renewable energy inverters equipped with storage batteries, ones with high efficiency and environmental durability, and grid management devices that can manage the flow of electric power.

SANMOTION

SERVO SYSTEMS

Servo systems are used to drive a wide variety of machines including machine tools, industrial robots, and medical equipment. Our SANMOTION Servo Systems products contribute to improving the productivity of customers' equipment with high-precision and high-speed driving, as well as fine customization.

Product Lineup













AC Servo Systems

These are high-accuracy, high-performance servo systems. These achieve high-speed and accurate positioning with vibration suppression function, thereby shortening device cycle time. The lineup also includes high-speed spindle motors. These are suitable for high-speed, high-precision devices such as semiconductor manufacturing equipment, robots, and machine tools. With a wide variety of models available, you can build the optimum system for your device

DC Servo Systems

These are servo systems featuring low vibration and low noise. These systems operate stably at low speeds and achieve highly accurate positioning by combining a high-resolution encoder. These are ideal for measuring instruments.



Linear Servo Systems

These servo motors move in straight lines. There is no need to use a ball screw to create straight-line motion, so systems can be simplified. Compared with rotary motors, linear servo systems have higher speed and higher accuracy, which improves productivity. Linear servo systems are suitable for semiconductor manufacturing equipment and chip mounters.













Stepping Systems

These stepping systems achieve high-accuracy positioning with simple control. In addition to 2-phase, 3-phase, and 5-phase stepping systems, our lineup includes closed-loop stepping systems that offer all the advantages of both AC servo systems and stepping systems. Our stepping systems are suitable for a wide range of applications, including semiconductor manufacturing equipment, chip mounters, analysis/inspection equipment in the medical and environmental fields, ATMs, and surveillance

- 2-Phase Stepping Systems
- 3-Phase Stepping Systems
- 5-Phase Stepping Systems
- Closed Loop Stepping Systems

Motion Controller

This is a motion controller featuring high-speed EtherCAT fieldbus. It integrates three control functions: motion control, robot control, and sequence control. This controller helps build systems such as robots, conveying machines, and semiconductor manufacturing equipment.

Articulated Robots







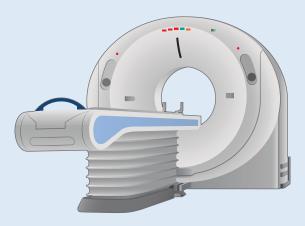


Motion Controller

Servo Systems

Articulated robots used in factories require highly accurate driving. Our products suitable for these robots include our motion controllers capable of precise robot control and high-speed servo motors with accurate positioning.

CT Scanner









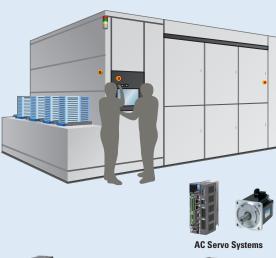


Servo Systems

Closed Loop Stepping Systems

CT scanners used in the medical field are required to operate quietly and with less vibration to give patients peace of mind. Our products suitable for those devices include: servo amplifiers capable of high-speed and accurate positioning, servo motors and closed-loop stepping motors that can operate smoothly with low vibration and low noise.

Semiconductor Manufacturing Equipment



Closed Loop Stepping Systems





Stepping Systems

High speed and precise positioning are required for driving semiconductor manufacturing equipment, which is increasingly becoming smaller and denser. For such equipment, servo systems and closed-loop stepping systems with high-speed and accurate positioning are suitable.

■ Coordinate Measuring Machine



For coordinate measuring machines that measure three-dimensional objects such as molds and machine parts, DC servo systems that feature smooth and stable driving even at low speeds are ideal.

COOLING SYSTEMS San A

1920 1950-1970 1980-1990



DC San Ace







Long Life Fan 1991 CPU Cooling Fan



San Ace W/WS

2000

POWER SYSTEMS SANUPS

Power Supply Units





Hand Generator 1951



Cooling Fan (First cooling fan made in Japan) **San Ace**

FES Type UPS 1961







SANUPS

Gas Turbine Generator 1995

Inverter for Photovoltaic Generation Systems SANSOLAR





Power Management Software

1997









Stepping Motors





Stepping Drivers





Controllers





AC Servo Motor DC Servo DC Servo Motor (First servo motor made in Japan)



High Resper



DC Servo Motor Super Mini



DC Servo Amplifier

SAN Driver



Super U 1980 Brushless AC

Servo Motor BL Super

AC Servo Amplifier BL Super



with Absolute Encoder ABS865



SANMOTION P



Super L

AC Servo Amplifier

DC Servo Amplifier

PU 1995

AC Servo Amplifier AC Servo Amplifier **867Z PV**



System 1997

Multi-axis AC Servo

SANMOTION PQ

AC Servo Amplifier SANMOTION PY

Servo Amplifiers









Stepping Motor
1960
Stepping Motor
1965







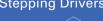




2-Phase Stepping Motor Stepsyn Hseries



5-Phase Stepping Motor StepSyn







2-Phase Stepping Driver

Custom ICs for Driving Stepping Motors



5-Phase Stepping Driver



2-Phase Stepping Driver 5-Phase Stepping



Multi-stepping



Stepping Driver SANMOTION Model No.PB





Controller S-MAC



Industrial PC SANMOTION SMS-10

Control Language SANMOTION AML





Silent Fan San Ace S



Low Power Consumption Fan San Ace



Centrifugal Fan San Ace W

ACDC Fan San Ace 120AD



San Ace W



Reversible Flow Fan San Ace 136RF



San Ace PWM Controller



Bracket-mounted Centrifugal Fan San Ace C270



Centrifugal Fan, Splash Proof Centrifugal Fan / San Ace 225AD



San Ace

2003



San Ace WF



San Ace C

High Airflow Long Life Fan San Ace L

2013



Long Life Counter Rotating Fan San Ace L



Wide Temperature Range Fan San Ace T 2014

High Static

Pressure Fan San Ace 60 San Ace 80



Airflow Tester San Ace Airflow Tester



G Proof Fan Controller San Ace 120GP San Ace San Ace 172GF Controller 2019



Mid-capacity UPS SANUPS AMB



SANUPS P73D



Parallel Processing UPS SANUPS E23A



SANUPS A23C



Static Transfer SANUPS S11A

Parallel Processing SANUPS F33A



Voltage Dip Compensato



Monitoring Tool SANUPS PV Monitor











SANUPS P83E



Online UPS SANUPS A11K



SANUPS P73L

SANUPS N11B-Li



Power Generation

Power Conditioner for Wind and Hydro















SANUPS K23A SANUPS K23A M Type



SANUPS P61B



SANUPS A22A

SANUPS E11B



SANMOTION T



SANMOTION Q



SANMOTION R



Low Inertia AC Servo Motor SANMOTION R



AC Spindle SANMOTION S



AC Servo Motor SANMOTION R



Optical Absolute Encoder Model No. HA035



Cylinder Linear 20 mm sa Servo Motor SANMOTION SANMOTION R

AC Servo Motor

P Center Magnet Type Linear Servo Motor SANMOTION





AC Servo Amplifier SANMOTION Q



SANMOTION R

2-Phase Stepping

Motor with Integrated Driver

SANMOTION F2



. Servo Amplifier SANMOTION R ADVANCED MODEL



AC Servo Amplifier SANMOTION S



Servo Amplifier SANMOTION R 3E Model



Multi-axis DC Servo Amplifier with EtherCAT Interface SANMOTION R ADVANCED MODEL





Stanning Drive SANMOTION F



Stepping Motor
SANMOTION F

Synchronous Drive SANMOTION G



5-Phase Stepping

Motor with Integrated Driver

SANMOTION F5

5-Phase On-hoard Type Stepping Driver



Stepping Motor SANMOTION F5





14 mm sq. 2-Phase Stepping Motor SANMOTION F2



Closed Loop Stepping Driver with EtherCAT Interface SANMOTION Model No.PB



DC Input 4-Axis Integrated Closed-Loop Stepping Driver with EtherCAT Interface SANMOTION Model No.PB













Location: Ueda-shi, Nagano



Kangawa Works

Total area: 67,140 m² Number of employees: 663 ISO 9001, ISO 14001

Main Products



Kangawa Works utilizes an integrated manufacturing system to produce motors for our Servo Systems Division. Our technologically advanced machinery and equipment are efficiently arranged. Out of consideration for the environment, we have installed a rainwater treatment facility and a solar power generation system. Kangawa Works also houses the headquarters of SANYO DENKI Techno Service CO., LTD.



Fujiyama Works

Total area: 95,632 m² Number of employees: 527 ISO 9001, ISO 14001

Main Products



Cooling Systems Product Options



Renewable

Energy Inverter







Amplifier



Fujiyama Works is a production site for our Cooling, Power, and Servo Systems Divisions. We use highly efficient automated production lines throughout the entire facility. We also have a solar power generation system.



Shioda Works Total area: 6,503 m² ISO 9001, ISO 14001



 $Tsuiji \ Works \quad {\tt Total \ area: 11,517 \ m^2} \quad {\tt ISO \ 9001, \ ISO \ 14001}$













Technology Center









Research and development base for Cooling, Power, and Servo Systems products produced at SANYO DENKI PHILIPPINES, INC.

SANYO DENKI PHILIPPINES, INC.

Total area: 61,113 m² Number of employees: 1,030 ISO 9001, ISO 14001, OHSAS 18001

Main Products











SANYO DENKI PHILIPPINES, INC., established in 2000, is a production site for our Cooling, Power, and Servo Systems products. Automated production lines, such as SMT (surface mount technology) lines, are highly efficient.

Location: Ueda-shi, Nagano









Technology Center has a vibration testing lab, high-speed testing lab, and environmental testing lab.

Technology Center

Total area: 44,926 m² Number of employees: 347 ISO 9001, ISO 14001 Technology Center is our primary product research and development facility. We are constantly designing and developing highly reliable and high performance Cooling, Power, and Servo Systems products, in close coordination with our Ueda, Nagano production sites.

Technical Centers around the world

As a research and development base for our products, each technical center works to develop original products to meet local customers' needs, and conduct technical support and product maintenance.







SANYO KOGYO CO., LTD.

SANYO KOGYO CO., LTD. was established in 1944, and became a member of the SANYO DENKI Group in July 2009.

It is an engineering and trading company engaged in a wide variety of business activities ranging from the sale of electronic and electrical devices, to planning and design of industrial control system, to engineering and maintenance.

Number of employees: 120

Headquaters: Meguro-ku, Tokyo

Sales sites: Tokyo / Kanagawa / Tochigi / Nagano / Osaka / Hiroshima

Main business: Electrical contracting and sales of electrical equipment, control devices, and electrical materials for industrial use











SANYO DENKI Techno Service CO., LTD.

SANYO DENKI Techno Service CO., LTD. was established in 1999 as a member of the SANYO DENKI Group. This company supports the group's manufacturing and service activities.

Number of employees: 584

ISO 9001, ISO 14001

Headquaters: Ueda-shi, Nagano

Main business: Electronics manufacturing, repair, and maintenance; field service; logistics service; facility maintenance; recycling; solar power generation; car maintenance service; insurance agency business, etc.







Aug. 1927

Sanyo Shokai founded by Hideo Yamamoto to import and sell electrical components

Jun. 1932

Sanyo Shokai Special Electric Works, a production factory of small AC and $\dot{}$ DC generators and power units for communications equipment, established in the Nishi-Sugamo (current Higashi-Ikebukuro) area of Tokyo



Dec. 1936

Reorganized into a joint stock company (Sanyo Shokai Co., Ltd.)

Apr. 1942

Renamed SANYO DENKI CO., LTD.

Feb. 1944

Ueda factories (Ueda Kita Works, former Midorigaoka Works)



1960-1979

Sep. 1962

Listed on the Second Section of the Tokyo Stock Exchange Apr. 1979 Shioda Works established

Mar. 1980

Tsuiji Works established

Nov. 1984

Aoki Works established (current Logistics Center)

Dec. 1988 SANYO DENKI EUROPE S.A.

(France) established



Apr. 1990 Fujiyama Works established

1980-1999

Apr. 1995

SANYO DENKI AMERICA, INC. (U.S.A.) established



Jul. 1997

Technology Center established

Mar. 1999

SANYO DENKI Techno Service CO., LTD. established

1940-1959

Dec. 1945

Head Office and Tokyo Works relocated to the Sugamo (current North Otsuka) area of Tokyo



1920-1939

Oct. 2005

SANYO DENKI GERMANY GmbH (Germany) established

Nov. 2005

SANYO DENKI KOREA CO., LTD. (Korea) established

Dec. 2005

SANYO DENKI TAIWAN CO., LTD. (Taiwan) established



2000-2009

Jan. 2008

SANYO DENKI (Shenzhen) CO., LTD. (China) established

Jan. 2009

Kangawa Works established

Jul. 2009

SANYO KOGYO CO., LTD. became a wholly owned subsidiary

Feb. 2000

SANYO DENKI PHILIPPINES, INC. (Philippines) established



Apr. 2003

SANYO DENKI SHANGHAI CO., LTD. (China) established



Jun. 2005

SANYO DENKI (H.K.) CO., LIMITED (China) established

Jun. 2005

SANYO DENKI Techno Service (Shenzhen) CO., LTD. (current SANYO DENKI ENGINEERING (Shenzhen) CO., LTD.) established.

Aug. 2005

SANYO DENKI SINGAPORE PTE. LTD. (Singapore) established

010

Apr. 2011

SANYO DENKI (Zhongshan) CO., LTD. (China) established

Jul. 2011

SANYO DENKI (THAILAND) CO., LTD. (Thailand) established



Mar. 2013

Listed on the First Section of the Tokyo Stock Exchange

Aug. 2013

Head Office relocated to its current location



Nov. 2014

SANYO DENKI ENGINEERING (Shanghai) CO., LTD. (China) established

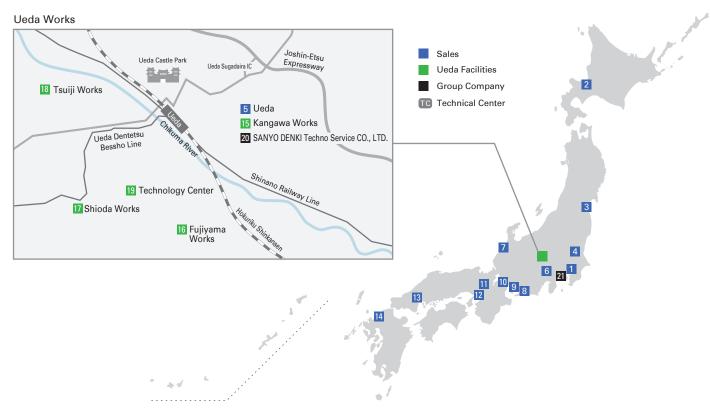
Feb. 2015

SANYO DENKI INDIA PRIVATE LIMITED (India) established

Feb. 2019

SANYO DENKI (Tianjin) CO., LTD. (China) established







Japan

SANYO DENKI CO., LTD.

- 1 Head Office 8 Hamamatsu 15 Kangawa Works 2 Sapporo 16 Fujiyama Works 9 Kariya 3 Sendai 10 Nagoya 17 Shioda Works 4 Utsunomiya 11 Kyoto 18 Tsuiji Works 5 Ueda 12 Osaka TC 19 Technology Center 6 Kofu 13 Hiroshima 7 Kanazawa 14 Fukuoka
- 2 SANYO DENKI Techno Service CO., LTD.
- 21 SANYO KOGYO CO., LTD.

Europe

- **1 SANYO DENKI** EUROPE S.A.
- 2 Poland Branch
- 3 SANYO DENKI GERMANY GmbH TC

Southeast Asia

- 4 SANYO DENKI PHILIPPINES, INC.
- **5 SANYO DENKI** (THAILAND) CO., LTD. TC
- **6 SANYO DENKI** INDIA PRIVATE LIMITED
- **7** Gurgaon Office
- 8 SANYO DENKI CO., LTD. Singapore Branch TC
- **9 SANYO DENKI CO., LTD.** Jakarta Representative Office

East Asia

- **OSANYO DENKI** (Zhongshan) CO., LTD.
- **USANYO DENKI** SHANGHAI CO., LTD. TC
- **12 SANYO DENKI** (H.K.) CO., LIMITED
- (B) SANYO DENKI TAIWAN CO., LTD. TC
- **ASANYO DENKI** KOREA CO., LTD.
- **(B)** Busan Branch
- (BSANYO DENKI (Shenzhen) CO.,LTD. TC
- Thengdu Branch
- (B) SANYO DENKI (Tianjin) CO., LTD. TC
- Beijing Branch
- **3 SANYO DENKI** ENGINEERING (Shanghai) CO., LTD.
- **3 SANYO DENKI** ENGINEERING (Shenzhen) CO., LTD.

North America

- **22 SANYO DENKI** AMERICA, INC. TO
- Silicon Valley Office
- Chicago Office
- 4 Detroit Office (Repair Center)

Offices / Branches

Head Office

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3-1-1 Hakataeki Higashi, Hakata-ku, Fukuoka-shi, Fukuoka, 812-0013, Japan

TEL: +81 92 482 2401 FAX: +81 92 482 2398

Singapore Branch

988 Toa Pavoh North, #04-08. Singapore 319002 TEL: +65 6223 1071

Jakarta Representative Office

Summitmas II 4th Floor. Jl. Jend. Sudirman Kav.61-62, Jakarta 12190, Indonesia TEL: +62 21 252 3202

Ueda Works

Production Sites

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Fujiyama Works

4016 Fujiyama, Ueda-shi, Nagano 386-1212, Japan TEL: +81 26 838 8111 FAX: +81 26 838 8183

Shioda Works

517 Goka, Ueda-shi, Nagano 386-1324, Japan TEL: +81 26 838 6611 FAX: +81 26 838 0585

Tsuiji Works

827 Tsuiji, Ueda-shi, Nagano 386-1107, Japan TEL: +81 26 827 8520 FAX: +81 26 826 5841

Research and Development

Technology Center

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Group Company

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■ Corporate Data

Incorporated

Founded August 1927

Capital 9.9 billion yen (As of March 31, 2019)

Consolidated Sales Revenue 84.6 billion yen (For the year ended March 2019)

December 1936

CEO/President & COO Shigeo Yamamoto

Number of Employees SANYO DENKI Group 3,547 (As of September 30, 2019)

Corporate Headquarters 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo,

170-8451, Japan

TEL: +81 3 5927 1020 FAX: +81 3 5952 1600

Stock Listing The first section of the Tokyo Stock Exchange

Website https://www.sanyodenki.com

■ Consolidated Operating Revenues

Consolidated Operating Revenues Composition by Business Segment For the year ended March 2019

Electrical Works
Contracting Business: 2.2%
Electrical Equipment Sales
Business: 5.5%

Cooling Systems Business: 27.5%

Power Systems Business: 8.7%

Servo Systems Business: 56.1%

As of October 2019

山洋電気株式会社 SANYO DENKI CO.,LTD.