

# SANYO DENKI

Company Profile  
2024-2025

山洋電気株式会社  
SANYO DENKI CO.,LTD.



# Our Philosophy

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

## Three Core Technologies and Six Sectors

Under a corporate philosophy that aims to "help all people achieve happiness," SANYO DENKI is committed to developing new technologies and products in six sectors based on three technological concepts.

### Three Core Technologies



Technology for protecting the global environment



Technology for using new energy sources and saving energy



Technology for protecting people's health and safety

To embody our corporate philosophy, we will achieve the following:

### For Society and Environment

We will conduct management that contributes to preserving the global environment and enhancing human prosperity through our corporate activities.

### For Customers and Users

We will conduct management that realizes the creation of new value for customers and user through our technologies, products, and services.

### For Suppliers and Business Partners

We will conduct management aimed at mutual technical development and prosperity through deals of parts and materials, production contracting, and joint development.

### For Investors and Financial Institutions

We will conduct management that increases our investment worth and credit through sound and constructive management and the provision of easily understandable information.

### For Competitor Companies

We will conduct management that co-creates industrial and technological developments through technical alliances and competition.

### For Employees

We will conduct management aimed at employee self-realization through work and corporate activities.

## 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 Preservation

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

San Ace is a brand name for SANYO DENKI's Cooling Systems products, such as cooling fans and cooling fan units. Devices using electronic components cannot operate properly without heat control solutions.

Our San Ace products enable these devices to run stably by cooling them.

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 Fan

These are DC cooling fans with high reliability and high performance. In addition to standard DC cooling fans, the lineup includes products with special features, such as Counter Rotating Fans, Centrifugal Fans, Blowers, and Low Power Consumption Fans, allowing customers to select the optimal fan for their application. They are suitable for cooling servers, storage, and ICT equipment.

- DC Fan
- High Static Pressure Fan
- Low Power Consumption Fan
- Silent Fan
- Counter Rotating Fan
- Centrifugal Fan
- Blower
- Reversible Flow Fan

### Endurance Fan

Endurance fans are DC fans that feature high environmental durability. The series lineup has a variety of fans that operate stably even in severe environments, including the Wide Temperature Range Fans for use in a temperature range of -40 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.

- 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 Fan

We offer high-reliability AC Fans. In addition to standard AC Fans, the lineup also includes high-efficiency, long-life ACDC Fans, which internally convert AC power to DC power. These are suitable for cooling ICT equipment, control panels, and factory automation equipment.

- ACDC Fan
- AC Fan



### Airflow Tester

This is a compact and portable measuring instrument for measuring the 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 your equipment.



### 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: Box type that only requires wiring and PCB type that needs to be integrated into the 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.



### San Ace Clean Air

This air purifier with low noise and high airflow can filter, sanitize, and deodorize air in large rooms. The air is drawn in from both sides of the product and blown out from the top for smooth air circulation, efficiently keeping rooms comfortable. The built-in fan has been newly developed based on our proprietary low-noise technology as a cooling fan manufacturer.

# SANUPS

SANUPS is a brand name for SANYO DENKI's Power Systems products such as uninterruptible power supplies (UPSs), inverters, engine generators, and renewable energy inverters.

The electronic devices and communication networks indispensable for our daily lives cannot be maintained without a stable power supply. Our SANUPS products provide high-quality, stable power to customers' equipment even in the event of unexpected power outages as well as at normal times. They can be used for disaster management and business continuity planning purposes as well.

## Product Lineup



### UPS (Uninterruptible Power Supply)

This device constantly supplies power so that a system can function safely without abnormal stoppages or damage in the event of a power outage. UPSs with lithium-ion batteries had been added 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. By combining it with the SANUPS NET cloud service and internet access, the PV system status can be monitored from devices such as computers or smartphones. A power conditioner (renewable energy inverter) for wind and hydro power generation systems is also available.

### 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 an instantaneous power outages or voltage dips, preventing factory facilities from failing or malfunctioning. It is suitable for factory facilities and power equipment.



### Inverter

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. It is essential for ICT equipment.



### Static Transfer Switch

This device constantly monitors two power sources, a regular and spare, and when a voltage dip or power failure occurs, it switches the power supply from the regular source to the spare source without interruption to continue the power supply. 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, 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.

# SANMOTION

SANMOTION is a brand name for SANYO DENKI's Servo Systems products, such as servo motors, servo amplifiers, stepping motors and drivers, motion controllers, and encoders.

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

## Product Lineup



### AC Servo Systems

These are high-precision, high-performance servo systems. These achieve high-speed, precision positioning with vibration suppression function, shortening the cycle time of equipment. The lineup also includes high-speed spindle motors. These are suitable for high, speed, high-precision equipment 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 DC servo systems with low vibration and low noise. They operate stably at low speeds, and the use in combination with an encoder realizes high-precision positioning control. These are ideal for use with measuring instruments.



### Linear Servo Systems

These servo motors move in straight lines. Compared with ball screw-based linear systems, they have higher speed and precision and can simplify your system. They are suitable for semiconductor manufacturing equipment and chip mounters.

### Stepping Systems

These are stepping systems that can achieve high-precision positioning with simple control. In addition to 2-phase, 3-phase, and 5-phase stepping systems, our lineup also includes closed-loop stepping systems, which offer all the advantages of both AC servo systems and stepping systems. These 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 cameras.

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

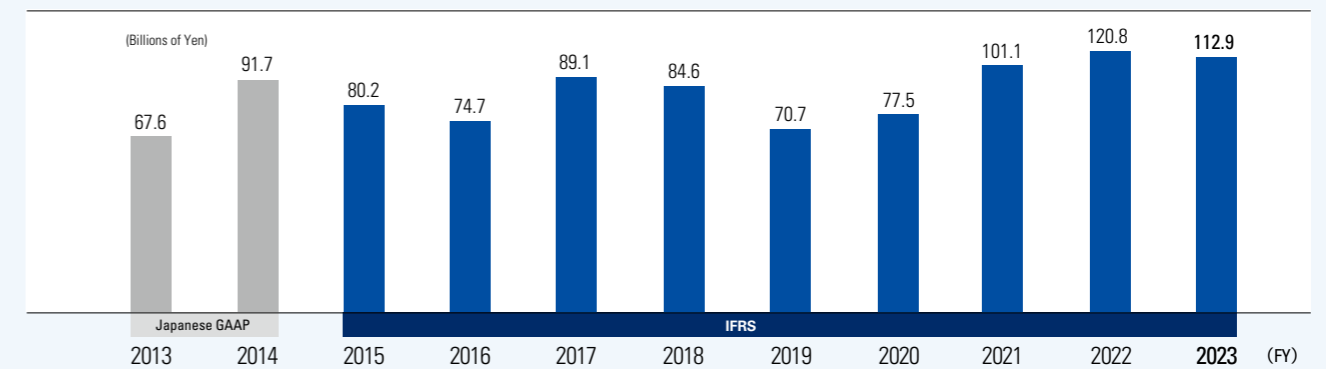
### Motion Controllers

This controller can control a range of robots easily, contributing to in-house robot motion planning. It supports various open networks, helping make factories automated and IoT-ready.

<b>Founded</b>	August 1927
<b>Incorporated</b>	December 1936
<b>Capital</b>	¥ 9.9 billion (as of March 31, 2024)
<b>Consolidated Operating Revenues</b>	¥ 112.9 billion (FY 2023)
<b>Representatives</b>	Shigeo Yamamoto, Chairman of the Board & CEO Nobumasa Kodama, President & COO
<b>Number of Employees</b>	SANYO DENKI Group: 3,705 (as of March 31, 2024)
<b>Head Office</b>	3-33-1 Minami-Otsuka, Toshima-ku, Tokyo 170-8451
<b>Stock Listing</b>	Tokyo Stock Exchange Prime Market
<b>Security Identification Code:</b>	6516

## Operating Revenues (FY 2023)

¥112.9 billion



**Production Sites**

**SANYO DENKI CO., LTD.**

Ueda, Nagano

**Kangawa Works**

Total floor area: 67,140 m<sup>2</sup>  
 Number of employees: 620  
 ISO 9001, ISO 14001

Products produced:



Motor

This factory has large-scale automated production lines for producing servo motors. Also, it utilizes resources with its rainwater treatment facility and large PV generation system that can power the entire factory.



**Fujiyama Works**

Total floor area: 95,632 m<sup>2</sup>  
 Number of employees: 465  
 ISO 9001, ISO 14001

Products produced:



Fan



San Ace Options



Renewable Energy Inverter



UPS



Generator



Driver/Amplifier



Motion Controller

Fujiyama Works is a production site with high-efficiency automated production lines for our San Ace, SANUPS, and SANMOTION products. It also has a large PV generation system that can power the entire factory, saving energy.



**Shioda Works**

Total floor area: 6,503 m<sup>2</sup> ISO 9001, ISO 14001



**Tsuiji Works**

Total floor area: 11,517 m<sup>2</sup> ISO 9001, ISO 14001



**SANYO DENKI PHILIPPINES, INC.**

Subic Bay Freeport Zone, Philippines

Total floor area: 61,114 m<sup>2</sup>  
 Number of employees: 1,269  
 ISO 9001, ISO 14001,  
 ISO 45001

Products produced:



Fan



Renewable Energy Inverter



UPS



Motor



Amplifier

This facility has three production factories and a Technology Center for research and development, and develops and produces San Ace, SANUPS, and SANMOTION products.



**SANYO DENKI (Zhongshan) CO., LTD.**

Zhongshan, China

Total area: 2,110 m<sup>2</sup>  
 Number of employees: 38  
 ISO 9001, ISO 14001,  
 OHSAS 18001

Products produced:



San Ace Options

SANYO DENKI (Zhongshan) CO., LTD. was established in 2011. This is the production site of fan finger guards.



**Assembly Factories**

The following group companies also function as assembly factories to ensure prompt product delivery to customers around the world. SANYO DENKI ENGINEERING (Shenzhen) CO., LTD. / SANYO DENKI AMERICA, INC. / SANYO DENKI EUROPE S.A.

# SANYO DENKI CO., LTD.

Ueda, Nagano

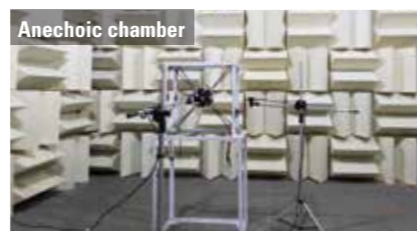
Total floor area: 44,926 m<sup>2</sup>  
 Number of employees: 352  
 ISO 9001, ISO 14001

Established as a research and development base in 1997, Technology Center engages in product development using state-of-the-art technology in cooperation with production bases in Japan and the Philippines.



# SANYO DENKI PHILIPPINES, INC.

Subic Bay Freeport Zone, Philippines



# SANYO KOGYO CO., LTD.

SANYO KOGYO CO., LTD. was founded in 1944, and organized as a SANYO DENKI group company in July 2009. As an engineering trading company, it deals with a wide range of businesses such as the sales of electrical and electronic products, and planning, design, installation, and maintenance of industrial control systems.

Number of employees: 106  
 Head Office: Meguro, Tokyo  
 Sales bases: Tokyo, Kanagawa, Tochigi, Nagano, Osaka, Hiroshima  
 Main business: Electrical contracting and sales of industrial electrical equipment, control devices, and electrical materials.



# SANYO DENKI Techno Service CO., LTD.

SANYO DENKI Techno Service CO., LTD. was founded in 1999 as a SANYO DENKI group company, and has contributed to the group's production and services.

Number of employees: 611  
 ISO 9001, ISO 14001  
 Head Office: Ueda, 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.



# SANYO DENKI IT Solution CO., LTD.

SANYO DENKI IT Solution CO., LTD. was founded in April, 2021 with the aim of integrating the IT systems of the entire group by using the group's IT networks and the IT-related know-how that we had accumulated through our past business operations.

Head Office: Ueda, Nagano  
 Main business: Develop and operate IT systems of the Group; manage and maintain the Group's network security; plan, develop, and consult on IT-related issues and projects.

Note: Numbers of employees are as of March 31, 2024



See the list of office addresses

- Sales
- Production and Development
- TC Technology Center
- TC Technical Center
- A Assembly Center

### Europe

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

### Southeast Asia

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

### East Asia

- 11** SANYO DENKI (Zhongshan) CO., LTD.
- 12** SANYO DENKI SHANGHAI CO., LTD. TC
- 13** SANYO DENKI (H.K.) CO., LIMITED
- 14** SANYO DENKI TAIWAN CO., LTD. TC
- 15** SANYO DENKI KOREA CO., LTD. TC
- 16** Busan Branch
- 17** SANYO DENKI (Shenzhen) CO., LTD. TC
- 18** SANYO DENKI (Chengdu) CO., LTD.
- 19** SANYO DENKI (Tianjin) CO., LTD. TC
- 20** Beijing Branch
- 21** SANYO DENKI ENGINEERING (Shanghai) CO., LTD.
- 22** SANYO DENKI ENGINEERING (Shenzhen) CO., LTD. A

### North America

- 23** SANYO DENKI AMERICA, INC. TC A
- 24** Silicon Valley Office
- 25** Chicago Office
- 26** Detroit Office (Repair Center)

### Japan

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

- Sales
- Ueda Facilities
- Group Company