

SANYO DENKI

Company Profile

公司簡介

2014



Corporate
Philosophy

We SANYO DENKI

make the dreams of people come true

for the happiness of people in cooperation with people.

山洋電氣 企業理念

敝公司山洋電氣「以增進人類福祉為己任，集眾人之力圓夢」。

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.

為落實公司的經營理念，我們致力於 ——

在社會和地球環境方面：
營造善盡企業職責的活動，
推動地球綠色環保，
共創人類繁榮昌盛。

在顧客和使用者方面：
充實技術，產品和服務內容，
為顧客及使用者，
創造新的附加價值。

在合作夥伴和供應廠商方面：
經由零件材料交易，委託製造
及共同開發的過程，
提升彼此的技術發展層次，
發展共存共榮的同盟關係。

在投資者和金融機構方面：
以健全且具前瞻性的經營模式，
結合人性化的資訊揭示作法，
擴大投資利益與信用指數。

在同業和競爭環節方面：
活絡技術發展的競合關係，
以交叉和融合的戰略趨勢，
創造產業和技術發展互利共贏。

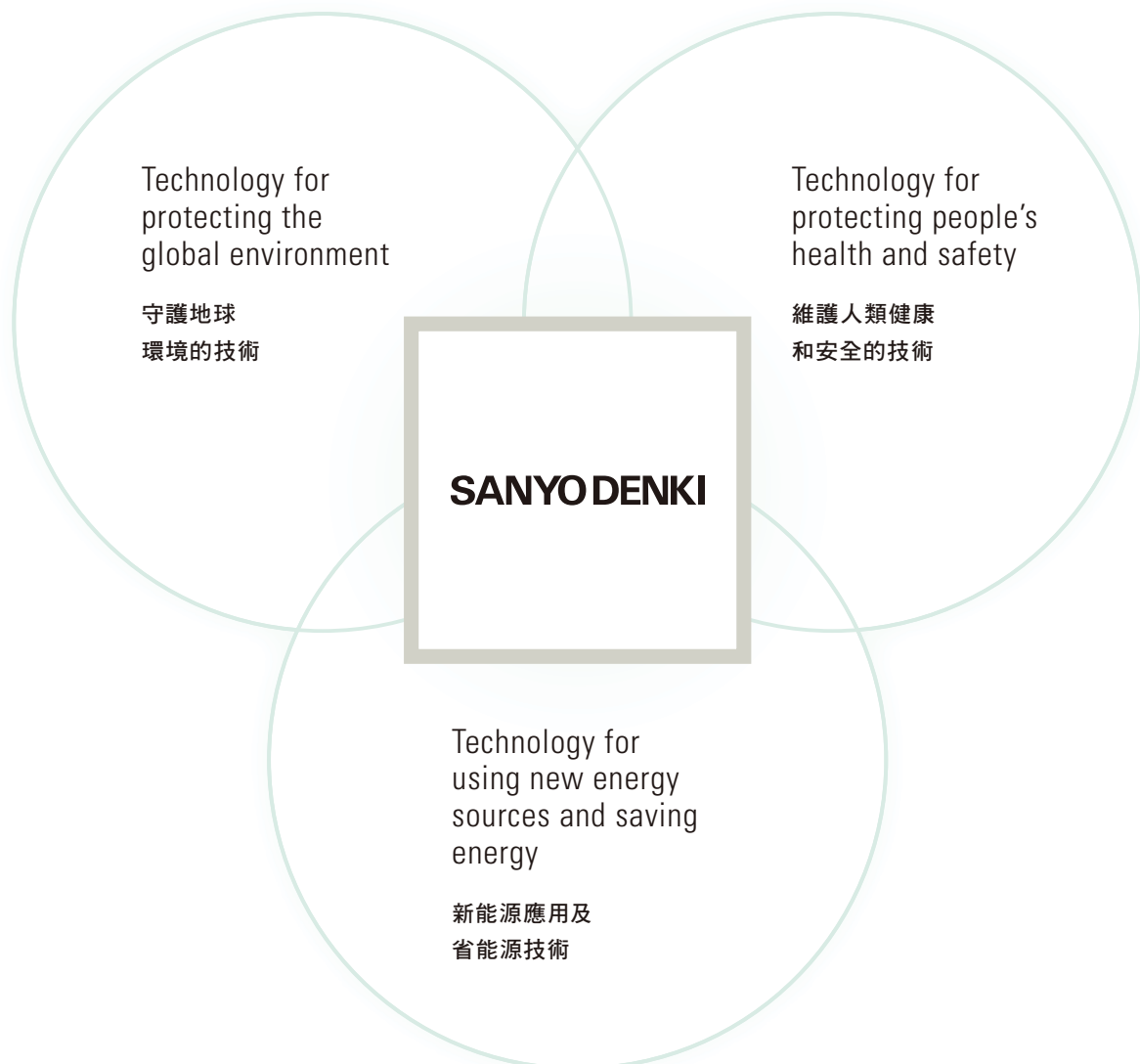
在公司員工方面：
加強職場生活與企業文化的建設，
讓員工能追求自我實現，
進而落實公司永續經營的目標。

The 3 Core Technology

3大核心技術

Under the corporate philosophy to “Aim for the Happiness of All People”, SANYO DENKI is committed to develop new technologies and products on the basis of three technical concepts. Using technology for the happiness of people is our policy.

山洋電氣秉持「以增進人類福祉為己任」的企業理念，
奠定3大技術主軸根基，致力開發新技術和新產品，
應用技術促進人類福祉為山洋電氣的一貫政策。



Six Domains

6大領域

From the wealth of knowledge and experience of developing new technologies from our foundation, SANYO DENKI provides products and technologies to six business areas.

山洋電氣秉持創業肇基以來所蓄積的技術力，繼往開來開發新技術，奠定6大事業領域的產品和技術基礎。

Medical

Business area manufacturing medical and nursing related equipment to contribute to human health.

醫療儀器領域

以製造醫療儀器和照護器具等維繫人類健康的機儀器事業領域。

Information

A wide business area ranging from computers and communications equipment, including its peripheral hardware, to information industries and communication services.

資訊和通信領域

從電腦通信設備及其周邊硬體，到資訊產業和通信服務等廣泛事業領域。

Industry

Business areas related to the automation of industrial machinery in general, including machine tools and robots.

產業機器領域

以工作機械和機器人為首的產業機械全盤自動化事業領域。

Environment

Business area promoting environmental protection and manufacturing equipment to preserve the global environment.

環保領域

有利地球環保及永續發展的機器製造事業領域。

Home

Business area manufacturing equipment for home-automation and better living.

家庭自動化領域

家庭自動化及改善生活環境的機器製造事業領域。

Energy

Business areas aiming to produce and convert electric power, save energy, and use new energy sources.

能源轉換領域

以電力生產和轉換、省能源及新能源應用為目標的事業領域。



SanAce
COOLING SYSTEMS

SANUPS
POWER SYSTEMS

SANMOTION
SERVO SYSTEMS

San Ace is the brand name of Cooling Systems products of SANYO DENKI.

San Ace 係山洋電氣散熱風扇系統產品的商標總稱。



DC Cooling Fan

DC 風扇

San Ace

DC Cooling fans feature high air flow, high reliability and low noise. It is suitable for servers, communications equipment and more.

兼具有高風量、高可靠度、低噪音特色之直流風扇。可廣泛使用在伺服器、通訊設備等用途。



Low Power Consumption Fan

低耗電流風扇

San Ace GA Type

These cooling fans provide energy savings while still achieving high air flow and high static pressure.

兼具有高風量、高靜壓，並可大幅減低消耗電力之風扇。



Silent Fan

靜音風扇

San Ace S Type

Silent fans have achieved low noise and low vibration while still providing high air flow and high static pressure.

For use in digital audio PCs, medical equipment and other devices that demand low noise.

兼具有高風量、高靜壓，並可減低噪音及震動之風扇。最適用於要求低噪音之音響、PC、醫療設備等。



Endurance Fan Series 耐環境風扇系列

Long Life Fan

長壽命風扇

San Ace L

Run continuously for more than 20 years, and are well suited for equipment that must operate without maintenance for extended periods. For use with servers, communications equipment and industrial equipment.

產品壽命能持續運轉 20 年以上，適合機器長期在無維護狀態下的散熱需求。



Centrifugal Fan

離心風扇

San Ace C

The centrifugal fans blow air in a centrifugal course. The fans feature high static pressure. Suitable for high system impedance machines such as communications equipment, servers, storage systems and heat exchangers.

離心風扇，意即利用離心力將風送出之風扇。其特性是高靜壓，最適用於冷卻阻抗較高的機器。可應用在通訊設備、伺服器、儲存設備、熱交換機。



Counter Rotating Fan

二重反轉風扇

San Ace CR Type

These fans feature high air flow and high static pressure. They are suitable for high system impedance machines.

兼具有高風量、高靜壓之風扇。可使用在安裝密度高之裝置。





Endurance Fan Series 耐環境風扇系列

Splash Proof Fan
防水風扇

San Ace WS/W

Splash-proof fans can be installed in outdoor environments exposed to water. Suitable for cooling solar inverters and equipment for used outdoors.

適用於戶外設備之散熱裝置。「San Ace W」系列為通電部位以樹脂材料包覆。「San Ace WS」系列為馬達內部採用特殊防水結構。



Endurance Fan Series 耐環境風扇系列

Splash Proof Centrifugal fan
防水離心風扇

San Ace W

Achieve water and dust resistant performance, energy savings and low sound pressure level, with high air flow and static pressure. Suitable for equipment used outdoors such as mobile communication base stations or heat exchangers.

具備防水防塵性能，既可節能低噪音，又可達到大風量高靜壓。可運用在行動通訊基地台等戶外裝置和熱交換器等用途。



Endurance Fan Series 耐環境風扇系列

Oil Proof Fan
防油風扇

San Ace WF

Even in environments with high concentrations of oil mist, these fans maintain stable operation. For use in servo systems and industrial equipment.

以耐油性佳的材料保護馬達線圈，電子零件，即便於油霧環境中也能確保穩定運作。



Blower
鼓風扇

San Ace B

These fans output high static pressure, and perform well in difficult to ventilate equipment that generates excessive heat. For use in servers, storage systems and base stations.

適用於通風不良和發熱量高的設備，為一高靜壓風扇。可使用在伺服器、記憶裝置和基地台等設備上。



AC Cooling Fan
AC 風扇

San Ace

These fans provide long lasting and highly reliable cooling for a wide variety of equipment, from telecommunications equipment to control panels and devices. Also, we have launched a new lineup of fans that work while converting AC power to DC power. These provide long life, energy saving, and high performance.

適用於通訊設備、控制盤、機器設備等用途廣泛之散熱需求，為使用年限長及高信賴度的散熱風扇。並且新增了將交流電源轉換為直流電源驅動的新系列散熱風扇產品，為長壽命且省能源之高性能散熱風扇。



Cooling Fan Unit
風扇組件

San Ace Cooling Fan Unit

Assembled fan units provided in accordance with the specifications of the equipment. For use in communications equipment, servers, and storage systems.

依照設備規格及客戶需求，製造最合適之風扇組件。可用於通訊設備，伺服器，資料儲存系統等。

SANUPS is the brand name of Power Systems products of SANYO DENKI.

SANUPS 係山洋電氣電源系統產品的商標總稱。



PV Inverter

太陽能發電系統轉換器

SANUPS P



A device that supplies power by converting DC power generated by photovoltaic generation systems into AC power. For use in communal 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.

將太陽能電池所產生的直流電轉換為交流電的設備。可使用在公共及產業等設施。另外，也可透過網際網路接續雲端服務裝置「SANUPS NET」，利用個人電腦或智慧型手機即時確認太陽能系統的發電狀況。



Grid Management System

電力網絡管理裝置

SANUPS K23A M Type

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

為於小規模的能源系統、網路的微型電網中，能夠有效率的運用電力之裝置。將太陽能發電或風力發電所產生的電力，以鋰離子電池將之儲存，並有效率的利用。



Parallel Processing UPS

並聯處理不斷電系統裝置

SANUPS E



A UPS that features high efficiency, high quality, and high-reliability operation. It supplies high quality power to devices such as telecommunications equipment since an inverter connected in parallel absorbs noise and adjusts voltage while providing power from commercial power supply at normal times.

是屬高效能，高可靠度，高品質之不斷電系統。平時經市電提供電力，由常時並聯的雙向轉換器，進行電壓補償或吸收雜訊。可提供高品質電力給通訊設備等。



Peak Cut Device

峰值電力削減裝置

SANUPS K

Large servo press machines and conveyor systems require a large instantaneous electric power to drive motors. The Peak Cut Device can reduce the peak power in the distribution system by releasing stored energy to drive motors and thus keep the capacity of the distribution system to the minimum necessary.

大型的沖床裝置或搬送設備所搭載之馬達在驅動時，必須要提供瞬間的大電力以供驅動。峰值電力削減裝置可於馬達驅動時，將先前所儲存之電力放出，以削減峰值電力，並有助於受電設備容量可有效抑制於最低限度。

Hybrid UPS

混合式不斷電設備

SANUPS E



A UPS that features energy-saving, high-reliability operation. It constantly supplies complete sine waves when a power outage or temporary interruption occurs without consuming unnecessary power during normal operations. For use in data centers and communications equipment.

為具備省能源，高信賴特性的 UPS。平時不會虛耗電力，停電或瞬間斷電時能持續供應標準的正弦波電流。可用於資料管理系統及通訊設備等。



Static Transfer Switch

電源切換器

SANUPS S

A static transfer switch can supply dual power to a router or other system that only accepts a single incoming power source. It can supply a commercial dual power supply or UPS dual power supply to a single power system. It is suitable for important equipment such as communication equipment required reliability.

路由器等伺服器周邊系統僅能接受單一供電型態的設備，經由電源切換器，即可在兩種不同供電來源系統中切換。由於切換器具備在市電系統及 UPS 供電 2 系統間，切換電源的功能，故可強化供電的可靠性。最適合用於需信賴性之通訊設備等其他重要設備。



On line UPS

常時轉換方式的不斷電電源裝置

SANUPS A

A UPS that can constantly supply complete sine waves to a load without interruption. Can be used as a power backup for equipment that is sensitive to power fluctuations such as information and communication systems and financial systems.

能常時供應標準正弦波電源，提供無瞬斷負載的UPS。符合資訊通信系統或金融系統等設備的高品質備援電力需求。

High Reliable UPS

高信賴度不斷電設備

SANUPS R

A back-up system with two-way power switching. It offers the same high level of reliability as parallel redundant UPS systems.

本款 UPS 為具備雙向電力變換功能之備援裝置。省空間，且具備與並聯式 UPS 同等之高度信賴性。



Voltage Dip Compensators

瞬間壓降的補償裝置

SANUPS C

Stable power is maintained without any interruption even if instantaneous voltage dips and interruptions occur. Also prevents malfunction and breakdowns of high-tech plant facilities caused by instantaneous voltage dips. It is suitable for plant facilities and power equipment.

發生瞬間停電、壓降情況時，也可完全不間斷地提供電力，並防止工廠設備誤動作、及故障現象的發生。最適用於工廠設備及動力等設備。



Inverter

轉換器

SANUPS D

A DC/AC inverter that has high power-feeding reliability. The inverter provides the highest possible stability by preserving a sufficient feed capacity for one unit and prevents equipment malfunction due to waveform disturbance by outputting a complete sine wave. For use in communication equipment.

轉換器為將直流電轉換為穩定交流電的裝置。透過充分單元容量的供電，供電穩定性得以大幅提升。加上輸出標準正弦波電流，可避免設備受到干擾而故障。可用於通訊機器等。



Network Power Manager 電源管理裝置

SANUPS T

Software 軟體

SANUPS SOFTWARE

Remotely operates power shutdown for computers or workstations. With management software, it provides consolidated management of power supplies for multiple network devices. It is suitable for servers and industrial equipment.

為電腦或工作站所設計的電源遠端關機控制軟體。搭配本管理軟體可簡單化管理網路環境中多台機器的電源。最適合用於伺服器及各種產業機器設備。



Mobile Generators

移動式發電設備

A mobile generating system for use during power outage or other emergency situations. A van model and a truck model are available.

移動式發電設備，係專為供電異常及停電時的供電需求而開發。共有廂型車款式及卡車款式等 2 個系列。

SANMOTION

SERVO SYSTEMS

SANMOTION is the brand name of Servo Systems products of SANYO DENKI.

SANMOTION 係山洋電氣伺服系統產品的商標總稱。



AC Servo Systems

AC 伺服系統

SANMOTION R

AC servo systems consisting of AC servo motors and AC servo amplifiers. Even at small sizes, these servo motors provide high torque and low vibration, and are resistant to water and dust. Servo amplifiers shorten settling time, contributing to the reduction of device takt time. They are compatible with a variety of industrial networks.

For use in semiconductor manufacturing equipment, chip mounters, robots, machine tools, and general industrial machinery.

為AC伺服馬達及AC伺服驅動器所組成的AC伺服系統。伺服馬達具有小體積卻有高扭力、低振動以及防水防塵等優點。而伺服驅動器則是具有超短定位整定時間，能有效縮短機台的生產時間。另外，還能夠對應多種工業用通信網路。

適合用於半導體生產設備、貼片機、機械手臂、一般產業之機器設備、CNC加工機等。



AC Servo Systems

AC 伺服系統

SANMOTION S

AC servo systems consisting of AC spindle motors and AC servo amplifiers. They feature high speed revolution and large torque at low speeds.

Ideal for spindle motors on machine tools that require high-accuracy synchronized tapping with the feed shaft.

為AC主軸馬達及AC伺服驅動器所組成的AC伺服系統。不但有優異的高轉速表現，同時於低速時也可提供高扭力。

最適合用於須與進給高速同步鑽孔之CNC加工機的主軸。



DC Servo Systems

DC 伺服系統

SANMOTION T

A DC servo system made up of highly responsive servo amplifiers that feature easy setup for optimal operation and servo motors with low speed ripple operations by combining with a high resolution encoder.

For use in electrical measuring instruments and general industrial machinery.

為一結合高解析度的編碼器，具備低速脈動運轉功能的伺服馬達，經由簡單設定即可進入最佳運轉狀態，由高應答性的伺服驅動器所組成的DC伺服系統。適合用於量測儀器及一般產業之機器設備。





Motion Controller

動態模組控制器

SANMOTION C

This product integrates motion control, robot control, and PLC control into one unit to provide major advantages in reduced device costs and shorter development times. The interface can use several different types of industrial networks. For use in handling robots and general industrial machinery.

為集動態控制，機器人控制，程序控制於一體的控制器，具備低成本，縮短開發期等之優點，備有多種網路介面，可支援多種工業網路之應用。適合用於搬運型機器人及一般產業之機器設備等。

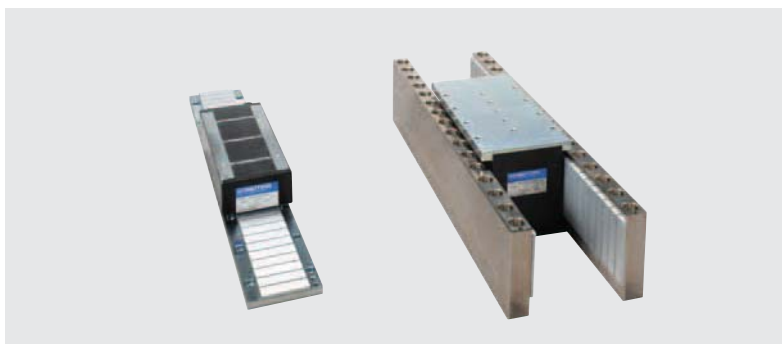


Encoder

編碼器

The encoders realize high resolution and small size. We have lineup of battery backup method absolute encoder, wire-saving incremental encoder and more. This is suitable for high-precision systems.

為高解析度之小型編碼器。備有電池備援方式之絕對型編碼器、省配線增量型編碼器等種類。最適合使用於要求高精度的系統。



Linear Servo Systems

線性伺服系統

Our single magnet core type, dual magnet core type, and cylinder-type linear servo systems are particularly suited for high-speed, high-precision applications. For use in semiconductor manufacturing equipment, chip mounters.

線性伺服系統共有有鐵心平面式、有鐵心 U 槽式、筒狀式等 3 種款式，符合高速及高精度用途需求。最適合使用於半導體製造設備、貼片機等。

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Closed loop Stepping Systems

閉迴路步進系統

SANMOTION Model No.PB

Combines the advantages of our AC servo system and stepping motors. This series has achieved high-speed, acceleration, and deceleration, and is compact and superior in terms of cost-performance.

For use in semiconductor manufacturing equipment, general industrial machinery and conveying machines.

兼具 AC 伺服系統與步進系統優點之馬達。由於機型小型化，可實現高速及高度加減速的目標，成本效益亦佳。適合用於半導體生產設備，一般產業之機器設備，搬送設備等。



Stepping Motor with Integrated Driver

內建驅動器步進馬達

SANMOTION F2

SANMOTION F5

The integrated design of the driver and motor enables downsizing devices and less wiring. It is suitable for semiconductor manufacturing equipment, chip mounters and surveillance cameras.

藉由驅動器與馬達的一體化，達到機械小型化並有效減低配線時數。最適合使用於半導體製造設備、貼片機、監視攝影機等用途。



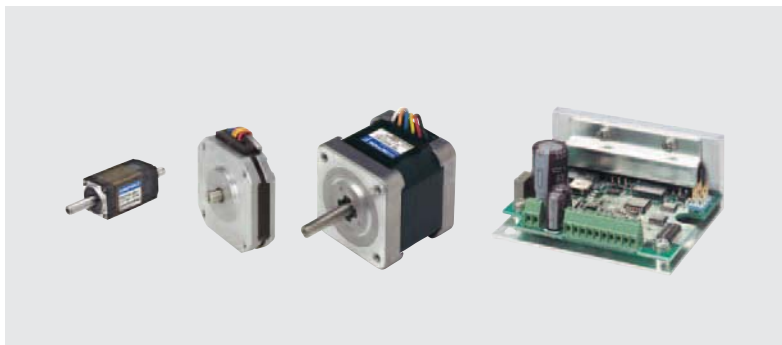
Linear Actuator Stepping Motor

線性驅動步進馬達

SANMOTION F5

Incorporates a ball screw inside the stepping motor to make it compact. This allows equipment size to be reduced. This motor is suitable for semiconductor manufacturing equipment, general industrial machinery, machine tools application and conveying machines.

五相步進馬達與滾珠螺桿 (Ball-Screw) 一體成型，裝置可小型化。最適用於半導體製造設備、一般工作機、及搬運機器等。



2-phase Stepping Systems

2 相步進系統

SANMOTION F2

Includes a driver and a high torque motor for a DC input set model (unipolar/bipolar specifications) with a basic step angle of 1.8° , and covers a wide variety of applications, including industrial sewing machines, financial terminals, copiers and manufacturing equipment for semiconductors.

備有驅動器與馬達直流輸入套件模組（單極規格 / 雙極規格）。基本步進角為 1.8° 的高轉矩輸出。適合運用在影印機和半導體設備、工業用縫紉機、金融終端機等廣泛用途。



3-phase Stepping Systems

3 相步進系統

SANMOTION F3

Our 3-phase stepping motors have a basic step angle of 1.2° . These stepping systems are suitable for semiconductor manufacturing equipment and conveying machines.

基本步進角 1.2° 之步進馬達。適合用於半導體生產設備、搬送設備等。



5-phase Stepping Systems





























5 相步進系統

SANMOTION F5

Highly responsive product with low vibration that includes a driver and motor for DC input and AC input set models with a basic step angle of 0.72° , and covers a wide variety of low vibration applications, including general industry machinery and manufacturing equipment for semiconductors.

備有驅動器與馬達直流輸入套件模組。基本步進角為 0.72° ，屬於低振幅、高響應的產品。最適用於一般工業機械、半導體製造設備等有低振動需求的機器使用。



	1920	1950	1960	1970	1980	1990
AC/DC Cooling Fans AC / DC風扇 CPU Cooling Fans CPU散熱風扇			 <p>■ Cooling Fan 散熱風扇 San Ace 1965</p>		 <p>■ DC Cooling Fan DC風扇 DC San Ace 1982</p>	<p>■ Startup of mass-production of Blower 鼓風扇開始量產 B120 1989</p> <p>■ Long Life Fan 長壽命風扇 1991</p>
Power Supply Units 電源設備	<p>■ Radio Power Generator 無線通訊電源設備 1927</p>	 <p>■ Hand Generators 手搖式發電機 1951</p> <p>■ UPS (First UPS made in Japan) 不斷電系統 (日本首產) 1955</p>	 <p>■ FES type UPS FES方式不斷電系統 1961</p>  <p>■ Static Power Supply Units 靜止型電源設備 1963</p>		<p>■ Power Monitors 電源監視器 1982</p>  <p>■ UPS 不斷電系統 SANUPS 1985</p>	<p>■ EG Generators 引擎發電設備</p> <p>■ Gas Turbine Generators 氣渦輪發電機</p> <p>■ Small-capacity UPS 小容量UPS SANUPS mini</p> <p>■ Inverters for Photovoltaic Generation Systems 太陽能發電系統轉換器 SANSOLAR 1995</p>
Servo Motors 伺服馬達		 <p>■ AC Servo Motor DC Servo Motor (First Servo Motor made in Japan) AC 伺服馬達 DC 伺服馬達 (日本首產) 1952</p>		 <p>■ DC Servo Motor DC 伺服馬達 High Resper 1974</p>  <p>■ DC Servo Motor DC 伺服馬達 Super Driver 1975</p>  <p>■ DC Servo Motor DC 伺服馬達 Super Mini 1975</p>	 <p>■ DC Servo Motor DC 伺服馬達 Super U 1980</p> <p>■ Brushless AC Servo Motor 無刷式 AC 伺服馬達 BL Super 1980</p>  <p>■ Servo Motor with Absolute Encoder 搭載絕對值編碼器之伺服馬達 ABS865 1987</p>	 <p>■ AC Servo Motor AC 伺服馬達 SANMOTION P 1994</p>
Amplifiers 驅動器				 <p>■ DC Servo Amplifier DC 伺服驅動器 SAN Driver 1975</p>	<p>■ AC Servo Amplifier AC 伺服驅動器 BL Super 1980</p>	 <p>■ AC Servo Amplifier AC 伺服驅動器 867Z 1992</p> <p>■ AC Servo Amplifier AC 伺服驅動器 PU 1995</p>
Controllers 控制器					 <p>■ Digital Controller 數位控制器 SANDIC 1981</p>	 <p>■ Networking Controller 網路控制器 S-MAC 1997</p>
Stepping Motors 步進馬達		 <p>■ Stepping Motor (First Stepping Motor made in Japan) 步進馬達 (日本首產) 1959</p>	 <p>■ VR type Stepping Motor VR型步進馬達 1960</p>  <p>■ PM type Stepping Motor PM型步進馬達 1965</p>	<p>■ Startup of mass-production of Stepping Motor 步進馬達開始量產 1971</p>	<p>■ Ultra-high-vacuum Stepping Motor 真空式步進馬達 1985</p>  <p>■ Stepping Motor 步進馬達 Pentasyn 1986</p>	 <p>■ 2-phase Stepping Motor 2相步進馬達 Stepsyn Hseries 1992</p>
Drivers 驅動器			 <p>■ PMA type drive circuit PMA 款驅動電路 (內含電源) 1961</p>	 <p>■ 2-phase Stepping Driver 2相步進驅動器 1976</p>	<p>■ Custom ICs for Driving Stepping Motors 步進馬達特製驅動IC 1977</p>  <p>■ 5-phase Stepping Driver 5相步進驅動器 1986</p>	 <p>■ 2-phase Multi-stepping Driver 2相步進驅動器 1996</p>
DC Drivers DC驅動器				 <p>■ 2-phase Stepping Driver 2相步進驅動器 1976</p>	<p>■ Custom ICs for Driving Stepping Motors 步進馬達特製驅動IC 1977</p>  <p>■ 5-phase Stepping Driver 5相步進驅動器 1986</p>	

2000



■ CPU Cooling Fan
CPU 散熱風扇
SAN ACE MC
1994



■ Splash-Proof Fan
防水風扇
San Ace W/WS
1997



■ High Air Flow
DC Cooling Fan
高風量DC風扇
San Ace G
2003



■ Liquid Cooling
System
水冷式散熱風扇系統
SAN ACE MC Liquid
2004



■ High Air Flow
Blower
鼓風扇
San Ace B
2004



■ Silent Fan
靜音風扇
San Ace S
2006



■ Low Vibration
Counter Rotating
Fan
低震動二重反轉風扇
San Ace CRE Type
2007



■ Low power
consumption fan
低耗電軸流風扇
San Ace GA Type
2009



■ Counter
Rotating Fan
二重反轉風扇
San Ace 172 CR Type
2012



■ High Static
Pressure DC
Fan
高靜壓DC風扇
San Ace HV type
2012



■ High Air Flow
Long Life Fan
高風量長壽命風扇
San Ace L
2013



■ Counter Rotating Fan
二重反轉風扇
San Ace CR Type
2003



■ Oil-Proof Fan
防油風扇
San Ace WF
2004



■ Centrifugal Fan
離心風扇
San Ace C
2009



■ Splash Proof
Centrifugal fan
防水離心風扇
San Ace W
2010



■ Long Life Counter
Rotating Long Life
Fan
長壽命二重反轉風扇
San Ace L
2013



■ Mobile Generators
移動式發電設備
1995
■ UPS Managing
System
電源管理軟體
1997



■ High Reliable UPS
高信賴度UPS
SANUPS R
1999



■ Network Power
Manager
電源管理裝置
2000



■ Parallel
Processing UPS
並聯處理
不斷電系統裝置
SANUPS E
2002



■ UPS Using Nickel
Metal Hydride
Batteries
鎳氫電池UPS
SANUPS A11G-Ni
2005



■ Static Transfer
Switch
電源切換器
SANUPS S
2007



■ Inverter
轉換器
SANUPS D11A
2008



■ Regenerative
Power
Compensator
再生電力補償裝置
SANUPS K23A
2011



■ Independent Power
Supply for PV Power
Generation Systems
太陽能發電系統用
自主發電裝置
SANUPS P11A
2011



■ Power Conditioner
for Photovoltaic
Generation System
太陽能發電系統轉換器
SANUPS P61B
2013



■ Small-capacity UPS
小容量UPS
SANUPS ASE
SANUPS ASD



■ 1U UPS
薄型UPS
SANUPS ASE-1U
2003



■ Mid-capacity UPS
中容量UPS
SANUPS AMB
2001



■ Power Conditioner for
Photovoltaic Generation
System
太陽能發電系統轉換器
SANUPS P73D
2004



■ Parallel
Processing UPS
並聯處理
不斷電系統裝置
SANUPS E33A
2008



■ Voltage Dip
Compensators
瞬間壓降的補償
裝置
SANUPS C23A
2009



■ Peak Cut Device
峰值電力削減裝置
SANUPS K33A
2011



■ Grid Management
System
電力網絡管理裝置
SANUPS K23A M Type
2012



■ PV System Status
Monitoring Service
太陽能發電系統
狀態監控服務
SANUPS NET
2013



■ DC Servo Motor
DC 伺服馬達
Super L
1995



■ Linear
Servo System
線性伺服系統
1997



■ DC Servo Motor
DC 伺服馬達
SANMOTION T
2001



■ AC Servo Motor
AC 伺服馬達
SANMOTION Q
2002



■ AC Servo Motor
AC 伺服馬達
SANMOTION R
2006



■ AC Servo Motor
低慣量AC
伺服馬達
SANMOTION R
2012



■ AC Servo Motor
AC 伺服馬達
SANMOTION R
2012



■ AC Servo Motor
AC 主軸馬達
SANMOTION S
2013



■ AC Servo
Amplifier
AC 伺服驅動器
PV
■ DC Servo
Amplifier
DC 伺服驅動器
DA2
1996



■ Multi-axis AC Servo
Amplifier
多軸交流伺服驅動器
SANMOTION PQ
1998
■ AC Servo Amplifier
AC 伺服驅動器
SANMOTION PY
1999



■ AC Servo Amplifier
AC 伺服驅動器
SANMOTION Q
2002



■ AC Servo Amplifier
AC 伺服驅動器
SANMOTION R
2005



■ AC Servo Amplifier
AC 伺服驅動器
SANMOTION S
2013



■ AC Servo Amplifier
AC 伺服驅動器
**SANMOTION R
3E MODEL**
2013



■ Industrial PC
工業用PC
**SANMOTION
SMS-10**
1998



■ Control Language
NC 用程式語言
SANMOTION AML
1999



■ Industrial PC
工業用PC
SANMOTION SMS-15
2002



■ Motion Controller
動態模組控制器
SANMOTION C
2005



■ 5-phase Stepping Motor
5相步進馬達
**SANMOTION Stepping
Motor**
1998



■ Closed loop Stepping
Motor
閉迴路步進馬達
SANMOTION Model No.PB
2003



■ 5-phase Stepping
Motor
5相步進系統
SANMOTION F
2003



■ 2-phase Stepping
Motor with
Integrated Driver
2相內建驅動器步進馬達
2006



■ 5-phase Stepping
Motor with
Integrated Driver
5相內建驅動器步進馬達
2009



■ 14mm sq. 2-phase
Stepping Motor
□14mm 2相步進馬達
SANMOTION F2
2011



■ Synchronous Motor
同步馬達
SANMOTION G
2004



■ 2-phase thin type
Stepping Motor
2相混合式薄型步
進馬達
2007



■ 5-phase Linear Actuator
Stepping Motor
5相線性驅動步進馬達
2010



■ Closed loop Stepping Driver
閉迴路步進系統
SANMOTION Model No.PB
1997



■ Stepping Driver
步進驅動器
SANMOTION F
2003



■ Synchronous Driver
同步驅動器
SANMOTION G
2004



■ 3-phase
Stepping Driver
3相步進驅動器
1999



■ 2-phase Stepping Driver
2相步進驅動器
■ 5-phase Stepping Driver
5相步進驅動器
2005



■ 5-phase Stepping Driver
having the on-board type
5相主機板式步進驅動器
2007

Technology Center

技術中心（長野縣上田市）

since 1997

Total area [佔地面積] : 44,908m²

Number of employees [員工數] : 332

ISO9001 ISO14001



Technology Center is our main product research and development facility.

We are developing highly reliable and high performance products here, closely coordinating with other plants located in and around Ueda city, Nagano Prefecture.

為產品研發據點。與座落於長野縣上田市周邊的工廠合作，開發高可靠度暨高性能的產品。

Works 生產據點

Kangawa Works

神川工廠

since 2009

Total area [佔地面積] : 67,140m²

Number of employees [員工數] : 642

ISO9001 ISO14001

Main Products [主要產品]

■ AC Servo motor [AC 伺服馬達]

■ DC Servo motor [DC 伺服馬達]

■ Stepping motor [步進馬達]

■ Linear Servo motor [線性伺服馬達]



Kangawa Works is our most-advanced production site where integrated manufacturing system is adopted to produce motors from servo systems division.

Lining up the high-technology equipment on an efficient flat floor, we provide enough care of the environment by installing photovoltaic generation system and a rainwater-treatment facility.

This plant is also where the headquarters of the subsidiary company SANYO DENKI Techno Service CO., LTD. is located.

為伺服系統馬達一貫生產作業的最先進生產據點。在高效率的平直式廠房環境中，技術功能集結的設備並齊，並充分考慮及使用到優於環保的太陽能發電和雨水處理設施等。同時也是旗下子公司 山洋電氣科技服務公司總公司的所在地。

Shioda Works

塩田工廠

since 1979

Total area [佔地面積] : 5,698m²

ISO9001 ISO14001

Main Products [主要產品]

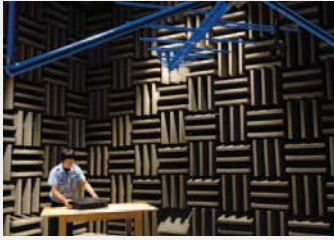
■ PV Inverter

[太陽能發電系統轉換器]

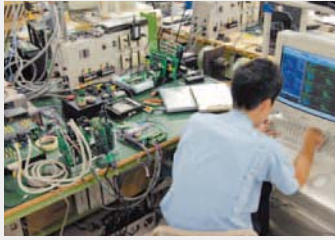


Shioda Works is a production site for PV inverters. It boasts advanced assembly and inspection equipment for producing these high performance, environmentally durable devices.

為太陽能發電系統用太陽能逆變器的生產據點。為了製造出高性能且耐環境的設備，我們使用最先進的製造設備以及檢查設備。



Acoustic radio wave anechoic chamber
RF anechoic chamber and a noise-measurement anechoic chamber
無響室



Laboratories
實驗室



Large laboratory
大型實驗室



Design rooms
設計室

A vibration laboratory, a fast-run laboratory, and an environmental laboratory will be installed for other purposes, including special experiments and evaluative tests.
其他：設置「震動測驗室」、「高速運轉測驗室」、「環境測驗室」，供特殊實驗，評鑑測驗用

Fujiyama Works

富士山工廠
since 1990
Total area [佔地面積] : 99,828m²
Number of employees [員工數] : 512
ISO9001 ISO14001

- Main Products [主要產品]
- Fan Motor [散熱風扇]
 - UPS [不斷電系統]
 - PV Inverter [太陽能發電系統轉換器]
 - Generator [緊急自用發電設備]
 - Monitoring Units [監視控制裝置]
 - AC Servo Amplifier [AC 伺服驅動器]
 - DC Servo Amplifier [DC 伺服驅動器]
 - Stepping Driver [步進驅動器]
 - System Controller [系統控制器]



Fujiyama Works is a production site of Cooling Systems, Power Systems and Servo Systems.
Highly-efficient automated production line is adopted in this plant.
A new section was completed in 2013.
Solar power is also generated here.

為冷卻系統、電源系統的生產據點。建置有高效自動化生產線。也是子公司山洋電氣科技服務總公司的所在。2013 年工廠新棟增建完成。同時也使用太陽能系統發電。



Aerial photo
空拍照片



The new wing
新棟

Tsuiji Works

築地工廠
since 1980
Total area [佔地面積] : 9,580m²
ISO9001 ISO14001

- Main Products [主要產品]
- Option for Power Systems Products [電源系統產品用配件]
 - Option for Servo Systems Products [伺服系統產品用配件]



Tsuiji Works is a production site of servo amplifier housings and option products such as cables and connectors. The car maintenance center of our subsidiary is located here, as is a distribution warehouse.

為電纜或接頭等產品配件及收納伺服驅動器的控制箱等之生產據點。附有子公司之車輛整備中心。另外，也做為物流倉庫使用。

SANYO DENKI PHILIPPINES, INC.

since 2000
Location [地點] : Philippines [菲律賓]
Total area [敷地面積] : 43,000m²
Number of employees [員工數] : 531
ISO9001 ISO14001 OHSAS18001

Main Products [主要產品]

■ DC Fan [DC 散熱風扇]

■ UPS [不斷電系統]

■ Stepping motor [步進馬達]



SANYO DENKI PHILIPPINES, INC. is a manufacturing subsidiary established in 2000. This is a production site of cooling fans, UPS and stepping motors as well as a designing center of cooling fans.

A new factory will be established in 2014.

山洋電氣菲律賓企業，是設立於 2000 年專司製造之子公司，是屬生產散熱風扇、不斷電系統、步進馬達的生產據點。也同步進行散熱風扇之設計。2014 年開設了新工廠。



SANYO DENKI (Zhongshan) CO., LTD.

since 2011
SANYO DENKI (Zhongshan) CO., LTD.
Location [地點] : Zhongshan, China [中國中山市]
Total area [敷地面積] : 2,110m²
Number of employees [員工數] : 38

Main Products [主要產品]

■ Option for Fan [散熱風扇用配件]



SANYO DENKI (Zhongshan) CO., LTD. was established in 2011. This is the production base of finger guard for cooling fan.

中山市山洋電氣有限公司於 2011 年設立。為散熱風扇用之保護網的生產據點。

山洋工業股份有限公司 SANYO KOGYO CO., LTD.



SANYO KOGYO CO., LTD. was established in 1944, and became a subsidiary of SANYO DENKI CO., LTD. on July.1, 2009. It is a trading company handling electrical and electronic products whose business extends to systems design and engineering. Our business ranges from sales of diverse electrical and electronic products and planning and design of industrial control systems to engineering and maintenance.

山洋工業股份有限公司創立於 1944 年，2009 年 7 月正式納入為山洋電氣之子公司。是一可由承作系統設計到工程施作統包的貿易公司，在電氣電子領域中，拓展事業的版圖。營業內容囊括品項豐富的電氣電子產品之機器銷售、工業用控制系統之企劃設計到工程施作維護等。

since 1944
Number of employees [員工數]: 137
公司總部：神奈川縣川崎市
營業處：長野 / 栃木 / 東京 / 神奈川 / 大阪 / 廣島

Sales of electric equipment, control devices and electric materials for industrial use and electric construction

專營產業用電力設備、控制設備及電子材料產品之銷售與電力工程。



Sales of electrical and electronic products
機器銷售



Engineering
工程

山洋電氣科技服務股份有限公司 SANYO DENKI Techno Service CO., LTD.



SANYO DENKI Techno Service CO., LTD. was established in 1999 in Ueda City, Nagano Prefecture, Japan as an affiliated manufacturing and venture company. It provides support for the SANYO DENKI Group with a many branches of service, from product repair and testing to field service, distribution, and printing. The car maintenance service and the insurance agency business started in 2010.

山洋電氣科技服務股份有限公司是在 1999 年設立於長野縣上田市，是生產暨承包之子公司。業務內容由產品維修到試製、客戶支援服務和物流、印刷業務等品項繁多，並對山洋電氣集團提供支援。2010 年亦展開汽車整修服務與保險代理店業務。

since 1999
Number of employees [員工數]: 401
ISO9001 ISO14001
公司總部：長野縣上田市
客服中心：美國底特律 / 法國 / 中國 / 新加坡 / 台灣

Services: In-house contract work, building maintenance, cleaning, repair, calibration of measurement devices, component sales, testing, facility maintenance, component assembly, recycling, field service, distribution, printing, car maintenance service and the insurance agency business, etc.

廠內承包、營繕、清潔、修理、量測器管理、零件銷售、試製、設施維護、零件組裝、回收利用、客戶支援服務、物流、印刷業務、汽車整修、車輛檢驗、保險代理店業務等



Environmental Policy

Basic Philosophy

SANYO DENKI helps preserve the global environment and enhance the mankind's prosperity through its corporate activities for the society and the environment.

Basic Principles

SANYO DENKI CO., Ltd., comprising Kangawa Works, Shioda Works, Fujiyama Works, Technology Center and Head Office, develops, designs, manufactures and sells cooling fan, UPS, power conditioner for photovoltaic generation system, engine generator, servo system, stepping system, controller, encoder, and driving device. Under the principles listed below, each member of SANYO DENKI will take part in eco-friendly activities to help preserve the abundant global environment.

1. We will continuously improve the environmental management system and work hard to prevent pollution and reduce the environmental impact of our activities.
2. We will assess the environmental impact of our corporate activities and focus on our environmental objectives and targets. We will also deal with the following as high-priority themes for environmental management.
 - (1) Develop, design, manufacture, and sell environment-friendly products
 - (2) Reduce or eliminate the use of hazardous chemicals
 - (3) Reduce the environmental impact (energy consumption, number of copies, waste, etc.) of business activity
 - (4) Contribute to the local community
3. We observe environmental laws, restrictions and other rules agreed upon by organizations and work hard for environmental preservation.
4. We document, carry out and maintain our environmental principles, make them known to all employees and provide environmental education to increase their ecological awareness. We also make these principles known to our suppliers and ask them to cooperate, and reflect them on our environmental management.
5. We will review the environmental management system periodically.
6. We will openly publicize the environmental principles to parties in and outside the company.

ISO14001:

Head Office, Technology Center, Kangawa Works, Fujiyama Works, Shioda Works, Tsuiji Works, SANYO DENKI Philippines, Inc.

環境方針

基本理念

山洋電氣股份有限公司

經營理念係著眼於社會，環境，企業活動，地球環保，及全體人類的繁榮昌盛之觀點。

基本方針

山洋電氣股份有限公司（神川工廠、塩田工廠、富士山工廠，研發中心及總公司），本著身為散熱風扇、不斷電電源裝置、太陽光電系統用轉換器，發電設備，伺服系統、步進系統、控制器、編碼器，驅動裝置開發、設計、製造及銷售之企業，以「保護自然環境」方針，人人致力推行環境保護相關活動。

1. 持續改善環境管理系統，致力於污染防範及減低對環境所造成的負荷。
2. 評估企業活動涉及領域對環境的影響，擬定環境目的和目標，採取以下相關措施。
 - (1) 開發，設計，製造和銷售具備環保意識的產品
 - (2) 抑制並減少有害化學物質之使用
 - (3) 改善業務活動之推廣，及減低業務活動所造成的環境負載（能源消耗、影印紙、廢棄物等）
 - (4) 回饋地方社區
3. 採取符合環保相關的法令規章或組織，並遵守其他環保配套的要求事項。
4. 環境保護的活動方面，提出實際的企畫案，如實進行永續施行，並致力營造身體力行的教育環境，提升員工環保意識。並積極對客戶進行宣傳、尋求合作，響應綠色產業活動。
5. 定期檢討環境管理系統。
6. 盡可能於公司內外宣揚公司的環保方針。

ISO14001:

總公司，技術中心，神川工廠，富士山工廠，鹽田工廠，築地工廠，SANYO DENKI PHILIPPINES, INC.



ECO PRODUCTS are designed with the concept of lessening impact on the environment in the process from product development to waste.

符合環境設計產品的「ECO PRODUCTS」標章，係以減輕由產品開發到廢棄過程中，所有工程產生的環境負荷為依歸，藉產品性能的提升，儘量將對環境的影響減至最小。

Corporate Data

公司概要

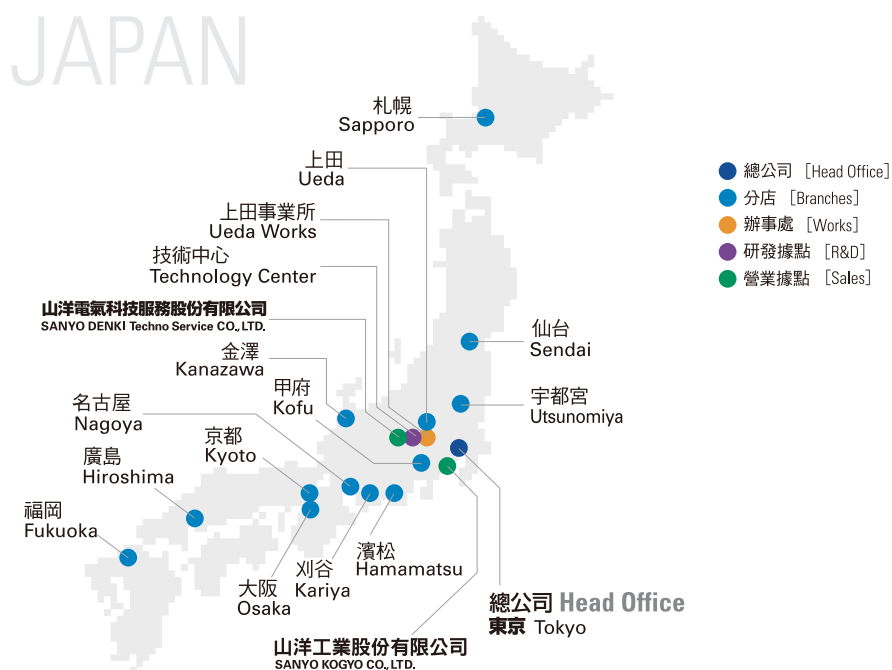
Founded	August 1927
Incorporated	December 1936
Capital	9.9 billion yen (As of March 31, 2013)
Annual Sales	64 billion yen (As of March 31, 2013)
CEO/President & COO	Shigeo Yamamoto
Number of Employees	SANYO DENKI Group 2,926 (As of September 30, 2013)
Corporate Headquarters	3-33-1, Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL +81 3 5927 1020 FAX +81 3 5952 1600
Stock Listing	The First Section of the Tokyo Stock Exchange
Web Site	http://www.sanyodenki.co.jp

創立	1927 年 8 月
設立	1936 年 12 月
資本金額	99 億日元（2013 年 3 月）
年營業額	640 億日元（2013 年 3 月）
法定代表人	董事長 山本茂生
員工數	山洋電氣集團 2,926 人（2013 年 9 月）
總公司	日本東京都豐島區南大塚 3-33-1 電話 +81 3 5927 1020 傳真 +81 3 5952 1600
上市證券交易所	東京證券交易所市場第一部
網址	http://www.sanyodenki.co.jp

History

沿革

Organization, System and Facilities [組織・体制・設備]			
1920	Aug. 1927	Sanyo Shokai Co., Ltd. founded by Hideo Yamamoto to import and sell electrical components.	創辦人山本秀雄，創辦山洋商會，開始進口電機零件販售
1930	Oct. 1932	A factory for the production of small AC and DC generators and communications equipment power units established in the Ikebukuro area of Tokyo.	於東京都豐島區池袋設立小型交、直流電動機以及通信機用電源の製造工廠
	Dec. 1936	Reorganized into a joint stock company.	組織變更為股份有限公司
1940	Apr. 1942	Renamed SANYO DENKI Co., Ltd.	公司名稱變更為山洋電氣股份有限公司
	Jan. 1943	A factory established in Nagano Prefecture.	於長野縣上田市設立工廠
	Dec. 1945	Head office and Tokyo Works relocated to the North Otsuka area of Tokyo.	總公司、東京工廠遷移至東京都豐島區北大塚
1960	Sep. 1962	Listed on the Second Section of the Tokyo Stock Exchange.	股票於東京證券交易所第二部上市
1970	Apr. 1979	Shioda Works established.	開設鹽田工廠
1980	Mar. 1980	Tsuiji Works established.	開設築地工廠
	Nov. 1984	Aoki Works established.	開設青木工廠
	Dec. 1988	SANYO DENKI Europe SA. (FRANCE) established.	設立海外子公司 SANYO DENKI EUROPE SA（法國）
1990	Apr. 1990	Fujiyama Works established.	開設富士山工廠
	Jun. 1994	Shigeo Yamamoto appointed as President.	山本茂生董事長上任
	Apr. 1995	SANYO DENKI America, Inc. (USA) established.	設立關聯公司 SANYO DENKI AMERICA,INC.（美國）
	Jul. 1997	Technology Center established.	開設技術中心
	Mar. 1999	A production subsidiary, SANYO DENKI Techno Service Co., Ltd.,established.	設立子公司山洋電氣科技服務股份有限公司
2000	Feb. 2000	A production subsidiary, SANYO DENKI PHILIPPINES, Inc. (Philippines) established.	設立生產子公司 SANYO DENKI PHILIPPINES, INC.（菲律賓）
	Apr. 2003	SANYO DENKI SHANGHAI CO., LTD. (China) established.	設立海外子公司山洋電氣（上海）貿易有限公司（中國）
	Jun. 2005	SANYO DENKI (H.K.) CO., LIMITED established.	設立海外子公司山洋電氣（香港）有限公司（中國）
	Jun. 2005	SANYO DENKI Techno Service (Shenzhen) CO., LTD. established.	設立海外子公司山洋電氣精密機器維修（深圳）有限公司（中國）
	Aug. 2005	SANYO DENKI SINGAPORE PTE. LTD. (Singapore) established.	設立海外子公司 SANYO DENKI SINGAPORE PTE. LTD.（新加坡）
	Oct. 2005	SANYO DENKI GERMANY GmbH (Germany) established.	設立海外子公司 SANYO DENKI GERMANY GmbH（德國）
	Nov. 2005	SANYO DENKI KOREA CO., LTD. (Korea) established.	設立海外子公司 SANYO DENKI KOREA CO.,LTD.（韓國）
	Dec. 2005	SANYO DENKI TAIWAN CO., LTD. (Taiwan) established.	設立海外子公司台灣山洋電氣股份有限公司（台灣）
	Aug. 2007	SANYO DENKI Techno Service (Singapore) PTE. LTD. established.	設立海外子公司 SANYO DENKI Techno Service（新加坡）
	Aug. 2008	SANYO DENKI (Shenzhen) CO., LTD. (China) established.	設立海外子公司山洋電氣貿易（深圳）有限公司（中國）
	Jan. 2009	Kangawa Works established.	於長野縣上田市開設神川工廠
	Jul. 2009	SANYO KOGYO CO., LTD. became a wholly-owned subsidiary.	山洋工業股份有限公司正式成為子公司
2010	Apr. 2011	SANYO DENKI (Zhongshan) CO., LTD. (China) established.	設立海外子公司中山市山洋電氣有限公司（中國）
	Jul. 2011	SANYO DENKI (THAILAND) CO., LTD. (Thailand) established.	設立海外子公司 SANYO DENKI (THAILAND) CO., LTD.（泰國）
	Mar. 2013	Listed on the First Section of the Tokyo Stock Exchange.	於東京證券交易所市場第一部上市
	Aug. 2013	Head office relocated to the current location.	總公司轉移至目前所在地

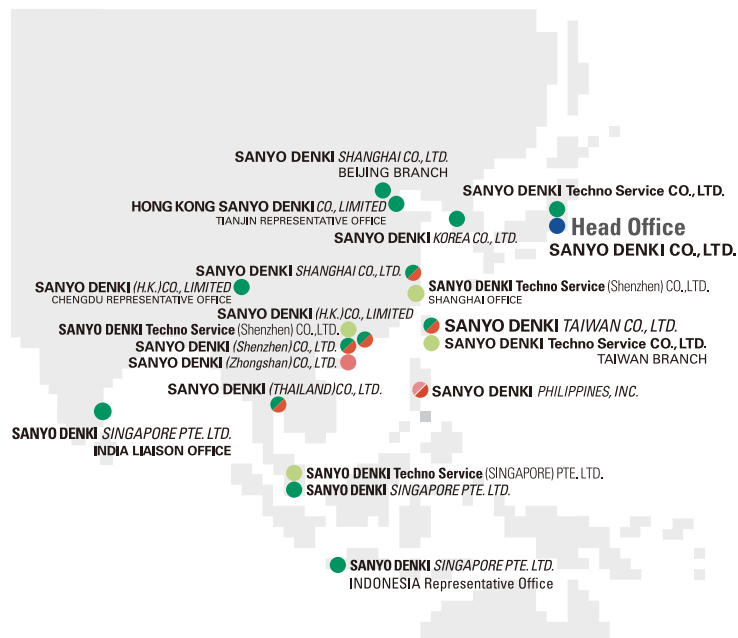


Head office is now located in the JR O-tsuka Minamiguchi Building, completed in 2013.

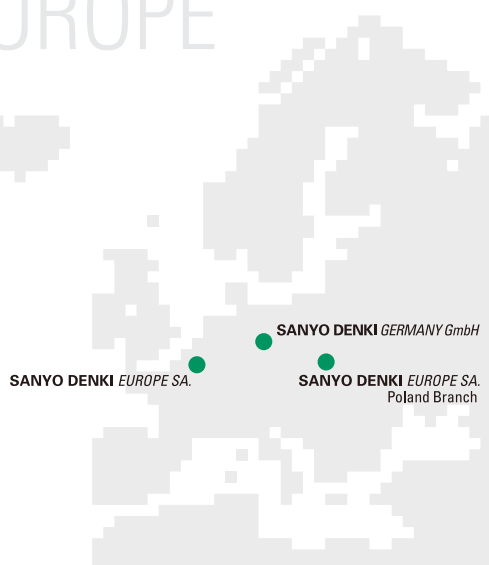
總公司位於 2013 年完成之「JR 大塚南口大樓」內。



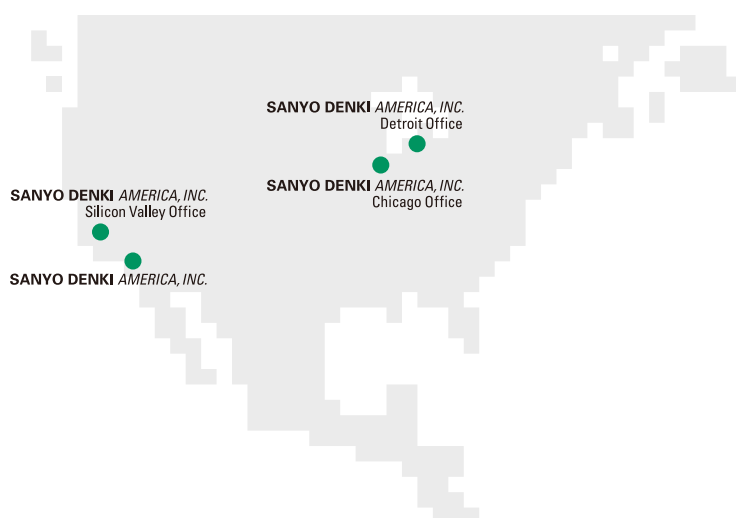
ASIA



EUROPE



NORTH AMERICA



Asia

SANYO DENKI PHILIPPINES, INC.

since 2000
No.2 Block F-1 Subic Technopark,
Argonaut Highway Boton Area,
Subic Bay Freeport Zone
PHILIPPINES 2222
TEL : +63 47 252 1735

SANYO DENKI (Zhongshan) CO., LTD.

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Park, 17 Fuse Road, Sanjiao Town,
Zhongshan 528445 China
TEL: +86 760 89936321

SANYO DENKI SHANGHAI CO., LTD.

since 2003
Room2106-2109, Bldg A, Far East
International Plaza, No.319,
Xianxia Road, Shanghai, 200051, China
TEL : +86 21 6235 1107

Beijing Branch

Room1222, Tower B, Beijing COFCO
Plaza, No.8 Jianguomennei Dajie,
Dong Cheng District, Beijing 100005 China
TEL : +86 10 6522 2160

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

since 2005
Room 2305, 23/F, South Tower,
Concordia Plaza, 1 Science Museum
Road, TST East, Kowloon, Hong Kong
TEL : +852 2312 6250

Tianjin Representative Office

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Hexi District, Tianjin 300042 China
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Chengdu Representative Office

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SANYO DENKI TAIWAN CO., LTD.

since 2006
Room 1208,12F, No.96 Chung Shan N,
Road, Sec.2, Taipei 104, Taiwan, R.O.C.
TEL : +886 2 2511 3938

SANYO DENKI SINGAPORE PTE. LTD.

since 2006
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Keppel Towers, Singapore 089315
TEL : +65 6223 1071

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

SANYO DENKI KOREA CO., LTD.

since 2006
9F 5-2, Sunwha- dong Jung-gu Seoul,
100-130, Korea
TEL : +82 2 773 5623

SANYO DENKI (Shenzhen) CO., LTD.

since 2008
Room01-05 2/F, Office Tower,
Di Wang Commercial Centre Shun Hing
Square, 5002 Shen Nan Road East,
Shenzhen, China
TEL : +86 755 3337 3865

SANYO DENKI (THAILAND) CO., LTD.

1702-2 Exchange Tower,
388 Sukhumvit Road,
Klongtoey, Bangkok 10110 Thailand
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SANYO DENKI Techno Service (Shenzhen) CO., LTD.

since 2005
5/F, Section 2, Bldg. 2, Zhongguan
Honghualing Industrial South Area,
No. 1213, Liuxian Road, Taoyuan Street,
Nanshan District, Shenzhen, 518055, China
TEL : +86 755 8342 5095

SANYO DENKI Techno Service (Singapore) PTE. LTD.

since 2007
Blk192 Pandan Loop #06-06 Pantech
Business Hub Singapore 128381
TEL : +65 6777 5201

SANYO DENKI Techno Service CO., LTD. TAIWAN BRANCH

since 2007
7F, No.32, Sec. 2, Zhongyang S. Road,
Beitou Dist., Taipei City 112, Taiwan,
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SANYO DENKI EUROPE SA.

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TEL : +33 1 48 63 26 61
www.sanyodenki.eu

Poland Branch

ul. Wodociągowa 56
30-205 Kraków, Polska
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SANYO DENKI GERMANY GmbH

since 2006
Frankfurter Strasse 92,
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: Ueda
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FAX: +81 26 823 8155

: Kofu
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Yamanashi, 400-0858, Japan
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: Hamamatsu
111-2, Itaya-machi, Naka-ku,
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FAX : +81 53 455 3396

: Kariya
2-15, Otemachi, Kariya-shi,
Aichi, 448-0857, Japan
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FAX : +81 26 823 8355

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TEL : +81 44 299 5451
FAX : +81 44 270 1302

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