

Company Overview

Power Electronics for Next "E"Stage Expansion Evolution Eco-Solutions

June -12

Sanken Electric Co. Ltd.

Sanken Electric Company Profile





Facts

Net Sales: €1,209m

Net Income : €4.0m

Capital: €192m

Employees: 9,788

Domestic Offices: 9

Group Company: 29

Headquarters: Niiza-shi, Saitama-ken, Japan

President: Sadatoshi lijima

year to March 2012, 109 JPY/€

Overview

Sanken Electric Co. Ltd., a Japanese company who's business focus is on development, manufacture and sale of power electronic products.

Sanken operates in 4 strategic areas "Automotive", "Motion Control", "AC/DC" and "DC/DC". Sanken's business strategy is to focus on the "eco-friendly / energy-saving" and the "green energy" markets.

Sanken's business plan is to effectively utilize its technological expertise in power devices and power systems in order to to offer its customers high-quality solutions that meet their diverse needs within all sectors that include **automotive**, **white goods**, **industrial equipment**, **IT/mobile**, **LED lighting**, **data centers** among others.

History

1988

1946	Established on September 5, 1946.
1961	Listed on the Tokyo Stock Exchange.
1973	First overseas production started at
	Korea Sanken Electric.

First overseas sales and marketing subsidiary

set up in Hong Kong.

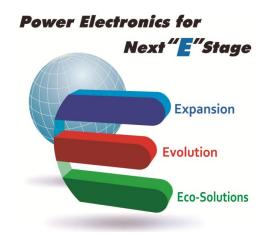
1989 Sales rose above 100 billion yen.

Allegro MicroSystems, Inc. established in U.S.A.Polar Semiconductor, Inc. established in U.S.A.

Sanken Optoproducts Co., Ltd. established.

Sanken Overview





Company Profile

Sanken Electric Co., Ltd. began operations as a spin off from a research institute in 1946 conducting R&D activities in semiconductors. Technology gained through these activities was used to manufacture a growing line of power supply products and power semiconductor devices.

Having grown in tandem with the electronics industry Sanken Electric has forged a commanding presence as a manufacturer in the field of power electronics. This reputation enables Sanken to provide society with original and creative products as a power electronics innovator within the semiconductor and power management sectors.

Company Operations

Semiconductors devices are our core business, with main products such as power IC's, transistors, diodes, and hall-effect sensors. Our Semiconductor devices are used in the power electronics circuitry of products for the Automotive, Home appliance, Audio-Visual, Office equipment and industrial markets. From establishing a three-way collaborative framework consisting of Sanken Electric, Allegro Microsystems and Polar Semiconductor and ramping up the pace of development, Sanken can offer clients products that better suit their specific needs.

Power Modules bring together our superior semiconductor and power supply technologies. This covers a wide range of products from switching mode power supplies found in computers and OA/FA equipment, power supplies for FPD-TV such as PDPs, AC adaptors for PC's to small uninterruptible power supplies (UPS). The consumer electronics market remains as our main focus even though the market has experienced a decline, Sanken is still advancing in development of ultra thin power supplies for FPD-TV to provide thin, small, lightweight and high efficiency products.

Sanken Product Line-up and Applications



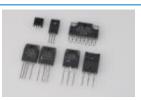




TVs, home electric appliances, **Automotive**



TVs, Automotive



Transistors Home Appliances, Audio



Large Displays

CCFL



Liquid Crystal Displays

Sales Composition (As of March 31, 2012)

CCFL

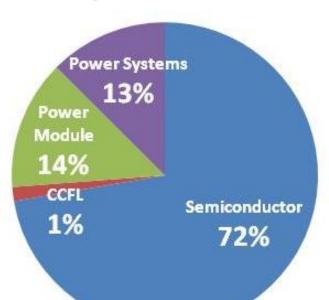
Switching Mode Power Supplies (SMPS)



SMPS PDPTVs, Office Equipments



AC Adapters PCs



Power Supply Equipment



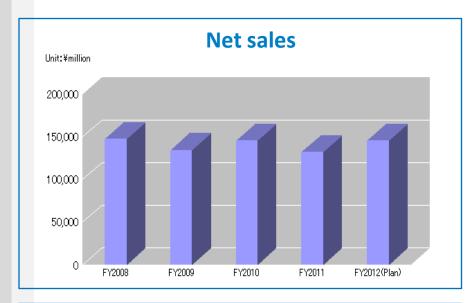
UPSs Social Infrastructure

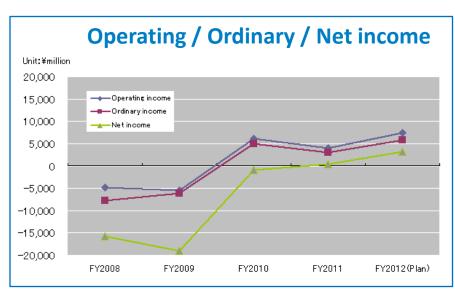


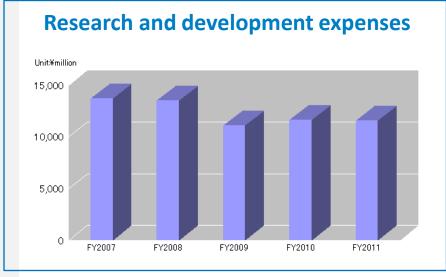
VVVF Inverters Factory Equipments

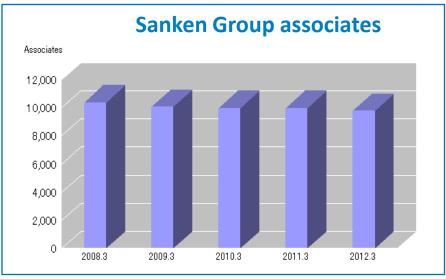
Sanken Financial Performance





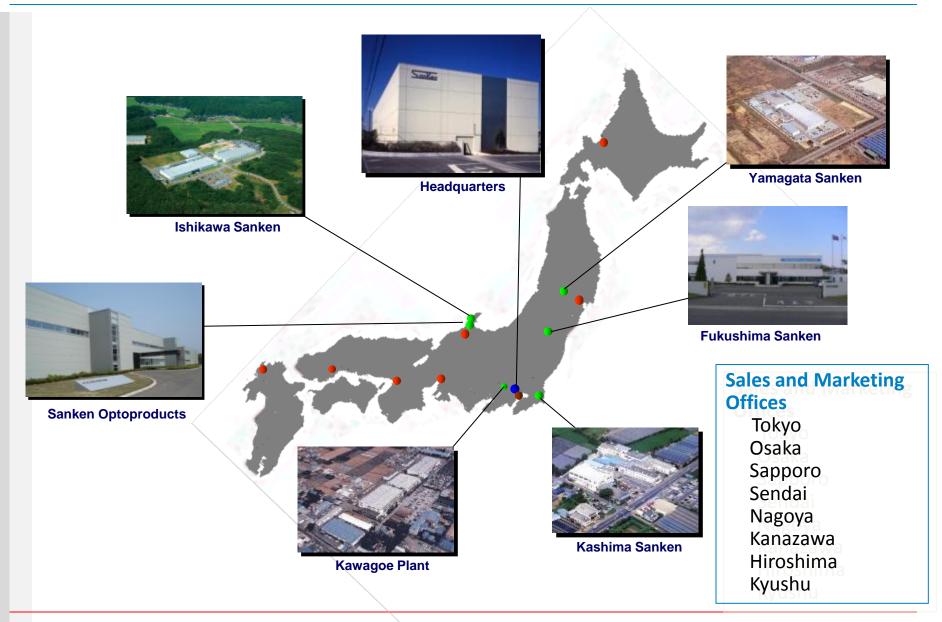






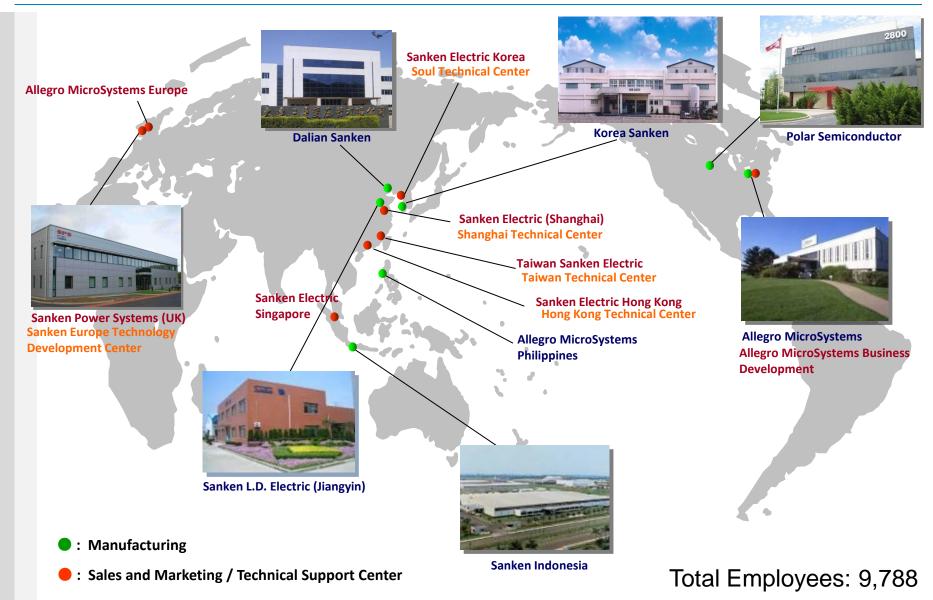
Sanken Companies In Japan





Sanken Companies Overseas





Sanken Core Markets + Customers



Automotive



White Goods



TV



Office Automation



Gaming





























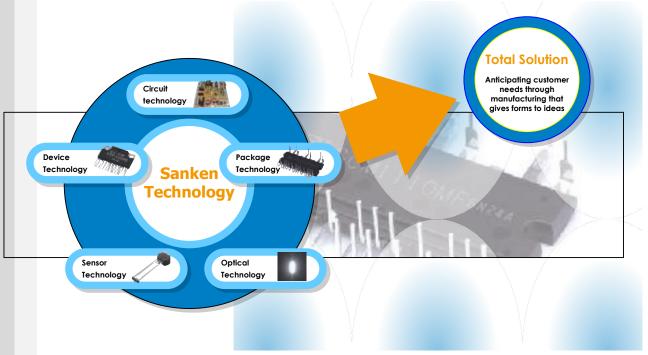


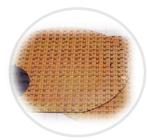


Sanken Next Generation



Sanken is making full use of its core technologies, to develop "next generation technologies" and "next generation products" suitable for Green Market requirements. Eco-Friendly and Energy-Saving will be central to all development of next generation technology.





GaN FET

With a Unique development of Silicon-substrate "normally off" – model gallium nitride. Low cost high voltage applications

LED Power

Sanken's LED development utilises three core technologies - device, circuit and optics which are resulting in unique and practical total solutions.



Solar Power

Sanken has been conducting R&D for Solar Energy and has already achieved results for large current bypass diodes and solar power generator systems.

Wind Power

Sanken expects further expansion in other green energy fields such as wind power generation in the future and the Sanken Group intends to promote R&D from an increasing broader perspective.



Why Choose Sanken



Technological Capability

Our current business partners consist almost entirely of leading names from a spectrum of industries, including the home electronics, automotive, office equipment and telecoms sectors.

Companies that lead their industries obviously have extremely rigorous demands when it comes to quality, cost and delivery schedules. At Sanken, we take these requirements seriously, continuously striving to offer solutions to each of these issues and conducting R+D to deliver the products that our clients need.





Modularization and assembly technology

Possessing advantages in terms of modularization and assembly technologies means the ability to provide comprehensive solutions in the truest sense. From the customers standpoint, this means they only have to consider input and output to the module and this is an enormous benefit to our customers. Our modular technology overcomes challenges inherent to power products i.e. large electric currents and high temperatures, which offers unquestionable value setting Sanken apart from its industry peers.

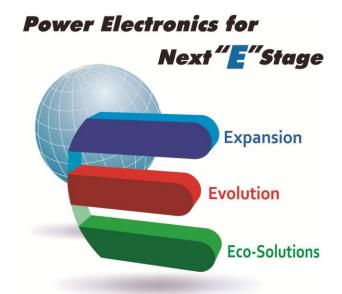


Sanken is proud of it's youthful and globally diverse R+D Team. Our engineers cover a large spectrum of areas and have the vitality to transform the impossible into reality. This is achieved by obtaining engineers with scientific curiosity from a variety of cultural backgrounds. Having R+D locations across the globe enables sanken to gather and incorporate information on the latest technology trends on a broad, groupwide basis to offer Power Supply and Power Module solutions attuned to the specific needs of customers anywhere in the world.





Sanken Power Systems (UK) Ltd.



Sanken Electric Co. Ltd.

Sanken Power Systems (UK) Ltd.



Sanken European Technology Centre

SPS is Sanken's European sales and technology centre, where SPS provides Sanken's latest products and technical support from its team of dedicated professionals.



HISTORY:

Oct'89 Established in Wales as joint venture company for power supply manufacturing

Aug '92 Became 100% Sanken subsidiary.

Jun '93 Moved to purpose-built manufacturing facility in Abercynon.

Nov '95 Company name changed to Sanken Power Systems (UK) Ltd.

Mar '05 Established Sanken European Technology Centre (SETeC).

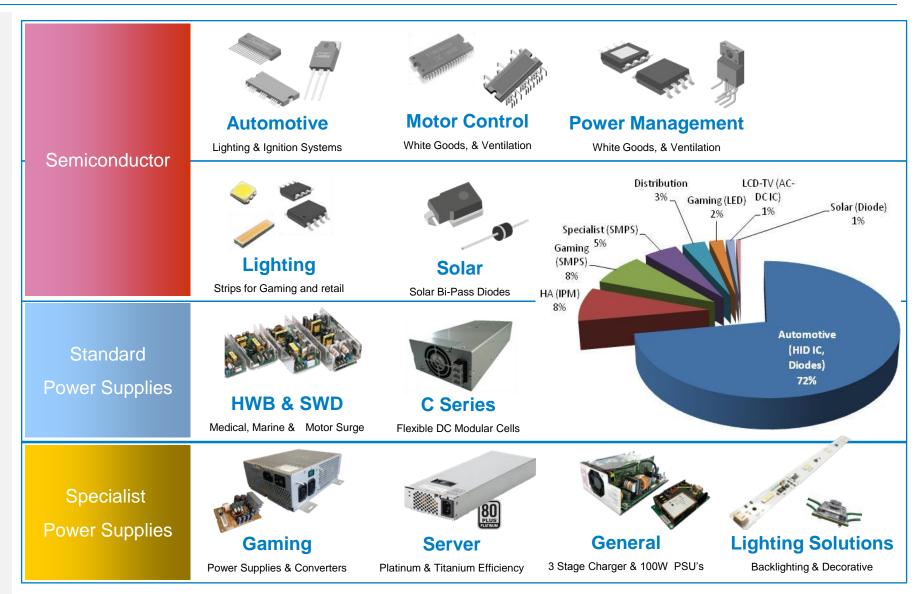
Apr'06 Obtained additional Sanken semiconductor sales resp from Allegro network, added FAE function.

Jan '07 Moved to purpose built sales & technology facility in Pencoed.

Black Sea

SPS Product Line-up and Applications



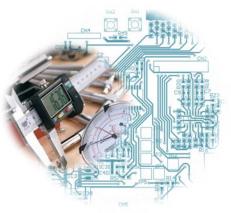


Local Support & Services











Sales & Marketing

Account Management

Global Logistics

European Sales Representatives

Semiconductors

Standard Power Supplies

Custom Development's

Lighting Solutions

Technical Support

Field Application Engineers

Global Technical Support

Electrical & Mechanical

EMC & Safety

Thermal & Optical Testing

Design & Evaluation

Field Application Engineers

Power & Optical Specialists

Mechanical & PCB Solutions

Fast Prototype Design

Benchmarking

Manufacture Support

High Speed Introduction

Advanced Quality Planning

Engineering Support

Local Subcontractor Services

Global High Volume Facilities

Supply Chain Management

SPS Accreditations



Quality Management



QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

United Kingdom

Sanken Power Systems (UK) Ltd Sanken European Technology Centre Pencoed Technology Park Bridgend CF35 5HY

Holds Certificate No: FM 25841

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

The sales, logistics, manufacturing control and technical support for Sanken power modules and semi-conductor products.

For and on behalf of BSI:

Managing Director, BSI EMEA

Originally registered: 06/10/1993

Latest Issue: 10/02/2010

Expiry Date: 20/01/2013





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ISO 9001:2008 + ISO 14001:2004

Environmental Management



ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2004

This is to certify that:

United Kingdom

Sanken Power Systems (UK) Ltd Sanken European Technology Centre Pencoed Technology Park Bridgend CF35 5HY

Holds Certificate No: EMS 51517

and operates an Environmental Management System which complies with the requirements of ISO 14001:2004 for the following scope:

The sales, logistics, manufacturing control and technical support for Sanken power modules and semi-conductor products.

For and on behalf of BSI

Managing Director, BSI EMEA

Originally registered: 17/07/1999

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ISO 9001:2008 + ISO 14001:2004