www.nipron.com

Nipron
GAZE into the future

Nipron Co., Ltd.
Company Profile

MISSION

Unlocking a New Chapter in DC Power through Green Power Technology

At Nipron, our core competencies lie in direct current control technologies. Through these technologies, we are cementing our unrivalled position in the Japanese power supply industry and helping to achieve a decarbonized society.

Nipron's Initiatives Toward Achieving the SDGs

Nipron promotes the use of clean energy through solar power generation, while developing infrastructure for charging, power generation, and power supply. Through these efforts, we contribute to achieving Goals 7, 9, and 13 of the SDGs by reducing CO_2 emissions, a major cause of climate change.

Furthermore, by expanding our initiatives to include Goals 5, 8, 10, 11, 12, and 16, we will continue striving toward the realization of a sustainable society, fulfilling our social responsibility.

Initiatives Toward Carbon Neutrality

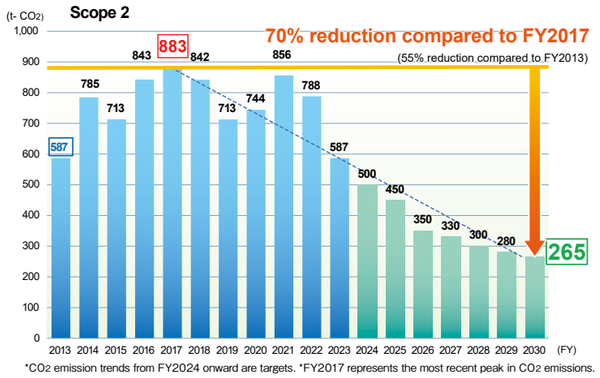
- Nipron has set a goal to reduce CO_2 emissions by 70% by FY2030 compared to FY2017.

- Guided by our mission and corporate philosophy, *Unlocking a New Chapter in DC Power through Green Power Technology*, we develop, manufacture, and sell Green Power Supplies and systems that maximize the use of renewable energy, including solar power.

- Our approach to decarbonization and carbon neutrality differs from conventional methods, such as off-site PPAs commonly used by other companies. Instead, we focus on increasing our self-sufficiency of renewable energy, thereby reducing externally supplied electricity (Scope 2) and lowering operating costs.

70% reduction in CO_2 emissions by FY2030 compared to FY2017

Decarbonization target (CO_2 emission reduction plan)



*CO_2 emission trends from FY2024 onward are targets. *FY2017 represents the most recent peak in CO_2 emissions.

- As a concrete step, in September 2023, we implemented our self-developed PV Oasis, a self-consumption solar power generation and storage system, at Mie Smart Factory. Through continuous testing and system improvement, we achieved a renewable energy self-sufficiency rate of 90% in October 2024.

- To achieve our 2030 reduction target, we plan to introduce PV Oasis at our Hanshin Factory, upgrade lighting to LED, and replace air conditioners with energy-efficient models at various sites. In addition, by promoting the PV Oasis system, we will support companies working to reduce CO_2 emissions through self-consumption solar power systems, further contributing to the realization of a carbon-neutral society.

50 years of specializing in power supplies

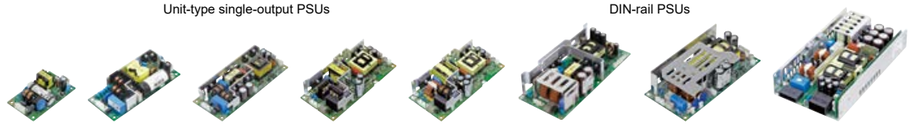
Founded in 1970, Nipron has been providing reliable power supply units (PSUs) for industrial and medical equipment, supporting the foundation of industries and daily life. By adopting cutting-edge technology, we have established a strong presence as a company chosen for quality over price. In recent years, we have actively developed technologies to address new markets and innovate to create new value.

Nonstop ATX/EPS PSU | ATX/EPS PSU | Medical standard certified Nonstop ATX PSU and dedicated battery pack | 1U size power supply Flex ATX PSU

PV Maximizer DC/DC converter for solar power generation | PV Oasis power storage system for solar power generation

Unit-type single-output PSUs

DIN-rail PSUs



Board-type PSUs

Corporate Message

5 Key Challenges

Since its foundation in 1970, Nipron has grown into a trusted PSU manufacturer by responding to the ever-changing needs of its customers. We have also built trust through our attentive after-sales services. In addition, by leveraging our core competencies in DC control technology, developed through PSU technology innovation, we are expanding into new businesses aimed at promoting renewable energy in the environmentally-driven growth sector.

As the natural environment and social conditions change, societal demands on corporate activities are becoming more diverse and advanced, including an growing focus on sustainability, human rights, and health and safety management.

We view these transformations as opportunities for new business expansion and are addressing 5 key challenges to create new value:

1. Corporate Value Expansion Strategy
2. Sustainable Growth Strategy for Power Supply Business
3. Business Expansion Strategy in Environmental Growth Sectors
4. Research and Development Strategy for the Next Generation
5. Corporate Foundation Strengthening Strategy

Through these challenges, we aim to foster the growth of our employees. We are creating a dynamic and sustainable Nipron to fulfill our social responsibility and contribute to building a sustainable society.

Company Profile

Company name	Nipron Co., Ltd.
Head office	2-57, Ohama, Amagasaki, Hyogo, Japan
Established	1981 (Founded 1970)
Capital	JPY 530.66 million
Chairman, President and CEO	Setsuo Sakai
Executive Vice President	Hideto Kawakita
Executive Vice President	Yoshio Matsubara
Number of employees	386 as of July 2025
Business Description	1. Development, manufacturing, sales, and after-sales service of switching power supplies, Nonstop power supplies, and peripheral devices. 2. Design, sales, monitoring, maintenance, and consulting of power generation systems using renewable energy sources such as solar power and related equipment.
Group company	Cim Giken Co., Ltd. (Sheet metal processing)

Locations

Head Office & Hanshin Factory

2-57, Ohama, Amagasaki, Hyogo, Japan

Central Laboratory & Sales Head Office

1-3-30, Nishinagasu, Hyogo, Japan

East Business Office (East Japan Sales Dept. & TTC Development Dept.)

622-1 Chitose, Takatsu-ku, Kawasaki, Kanagawa, Japan

Namba Technical Center

2-14-32 Ebisunishi, Naniwa, Osaka, Osaka, Japan

Mie Smart Factory

282-17, Nishiyama, Taki, Taki, Mie, Japan

Nagoya Sales Office

C Floor 1 Sakae Building, 1-9-29 Yata, Higashi, Nagoya, Aichi, Japan

Metropolitan Area Office (Green Power Solution Division)

Masuni Daiichi Building 5F, 2-4-6, Shin-Yokohama, Kohoku, Yokohama, Kanagawa, Japan

Group company

Cim Giken Co., Ltd. (Sheet metal processing)
2-57, Ohama, Amagasaki, Hyogo, Japan

CORPORATE POLICY

The fundamental concept behind our power supply creation is protection. If we take the human body as a suitable metaphor, power supplies perform a role similar to the heart and more than any equipment (other parts of the body) it is something that must not be allowed to stop working.

The power supply (heart) cannot be allowed to stop working
It has to keep pumping pure energy (blood) for as long as the equipment (body) lives

We are meticulous in our efforts to improve the quality and technologies of our power supplies so that we can continue to provide society with power supplies that do not break down or stop, and we work to create power supplies that are safe and secure.

Manufacturing excellence from 100% Japanese production

Nipron is dedicated to manufacturing with a focus on "Made in Japan."
We are confident that our flexible production system and manufacturing in Japan allow us to respond quickly to customer demands. We are committed to continuous improvement to achieve world-class quality and delivery performance.
An example of this commitment is our proprietary N2 System, designed to support manufacturing. Based on the philosophy of zero defects, we continuously evolve our system to strengthen our quality management framework.

Furthermore, we believe that our dedication to manufacturing in Japan is not only a core principle, but also a mission that enables us to contribute to Japanese society.

N2 System: a proprietary production management system that visualizes real-time data, including production status, for seamless monitoring and control.

PROVEN TRACK RECORD IN VARIOUS FIELDS

Nipron power supplies are used in a wide range of applications that support society.

Industrial machines & machine tools	Robots	Logistics & conveyance systems
Medical equipment	Transportation system equipment	Cash handling equipment
Security equipment	Information & communication equipment	Maritime equipment
Renewable energy		

PC Power Supplies

A wide range of products from high-capacity ATX PSU to AT PSU.

◢ ATX PSU ◢ Flex ATX PSU ◢ SFX PSU ◢ AT PSU ◢ Server PSU

ATX PSUs 200-1200 W

SFX PSUs 310 W
(With a medical standard model available)

Flex ATX PSU
240 W

1U ATX PSU
300 W

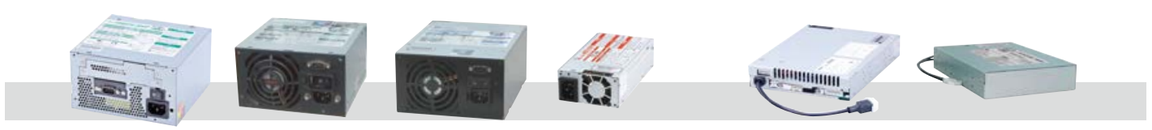
Fanless PSU
170 W

AT PSU
228 W

Nonstop Power Supplies

Our proprietary blackout-free PSUs

◢ Nonstop ATX PSU ◢ Nonstop Flex ATX PSU ◢ Nonstop SFX PSU ◢ Dedicated battery and capacitor

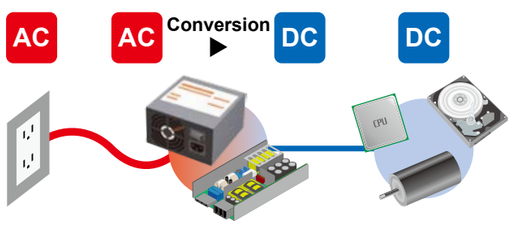


Nonstop ATX PSUs 160-822 W

Dedicated battery packs and capacitor packs

What is Power Supply?

A power supply converts AC electricity from an outlet into DC electricity required by components such as CPUs, HDDs, and motors, and delivers it to each part. It is an essential component for all electrically powered devices and systems.



Single-Output & Multi-Output Power Supplies

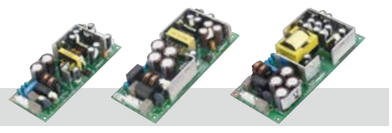
A lineup of PSUs for control and drive applications, featuring high peak, high efficiency, and low noise

◢ Board-type PSU ◢ DIN-rail PSU ◢ Unit-type PSU ◢ Multi-output PSU

Board-type PSUs 15-600 W
(With a medical standard model available)

Unit-type PSUs 360-5000 W
(With a medical standard model available)

DIN-rail PSUs 120-240 W



Multi-output PSUs 15-30 W

Batteries and Capacitors for Momentary Power Failure/Blackouts

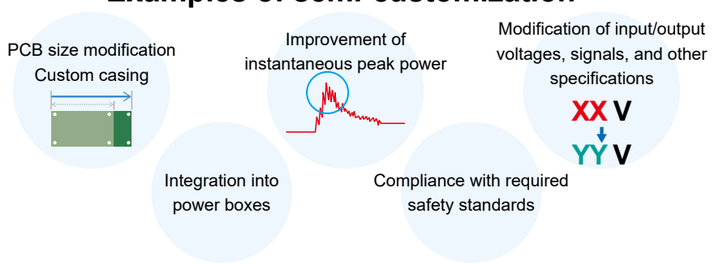
DIN-rail compatible battery unit and capacitor unit

Battery packs and capacitor units

Custom Power Supply Development

We offer flexible semi-custom solutions. Based on standard products, we propose semi-custom options tailored to customer specifications. By working closely with our sales and engineering teams, and utilizing a domestic production system capable of handling various product types and volumes, we provide high-quality, value-added semi-custom products in a short period of time.

Examples of semi-customization



We can offer fully customized PSUs depending on the details of your project. We have extensive experience with PSUs ranging from low capacity to over 10 kW, including water-cooled models. We are committed to actively working towards products that meet your specific requirements.

Advantages of Nipron Power Supplies

Nonstop power supplies

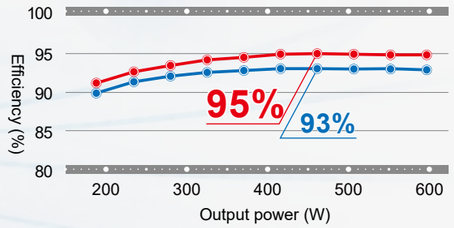
Nonstop PSUs protect equipment and data by providing power for a specified period of time during unexpected power outages or input power anomalies, ensuring a safe shutdown of devices.Our unique charging/discharging technology helps realize an uninterruptible power backup system simply by connecting a battery pack to a power supply unit that supports the technology.

Backup for blackout

High efficiency and small size

Improving power supply efficiency reduces energy loss, contributing to energy savings and CO_2 reduction. In addition, lower heat generation allows for smaller, longer-lasting PSUs and easier thermal management of end products. Nipron develops and manufactures industry-leading high-efficiency PSUs.

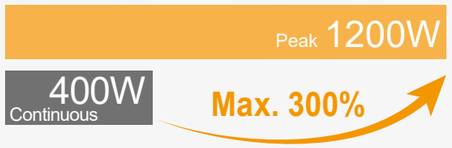
Efficiency graph (UZP-600-A24, an example measurement)



(Measurement condition: —100 VAC —230 VAC)

Peak power

A peak PSU can temporarily deliver power above its continuous rating, making it ideal for devices with high startup currents, such as motors. This eliminates the need to select the PSU based on high startup demand, allowing for a more compact and lower rated PSU to be selected based on continuous power requirements.



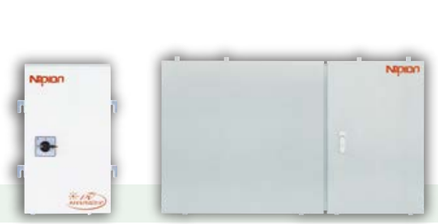
Low noise

With the enhancement of noise filter circuits and optimization of component arrangement, the conducted emissions for the PSU alone clears VCCI Class B. There is no need for an external noise filter, which helps to save related work and costs.

Products Related to Renewable Energy

With a philosophy of "protecting the global environment," Nipron develops Green Power products for natural energy.

- Step-up DC/DC converter for solar power generation
- Battery system for solar power generation
- EV charger
- Remote monitoring and control system



PV Maximizer
Step-up DC/DC converter for solar power generation

EV charger
DC-input quick charger

PV Oasis
Battery system for solar power generation

PV Guardmyan

PV Guardmyan
Remote monitoring and control system

Installation Example at Mie Smart Factory

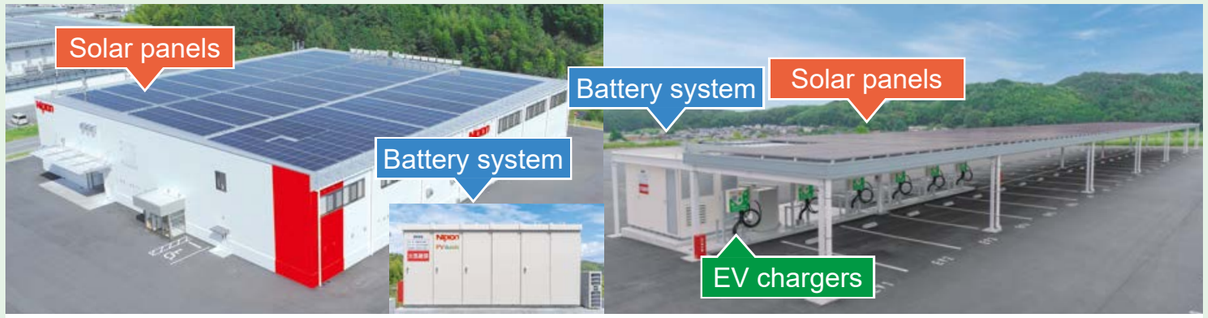
See next page for details.

We, Nipron, Are Shaping a Sustainable Society.

View from Mie Smart Factory

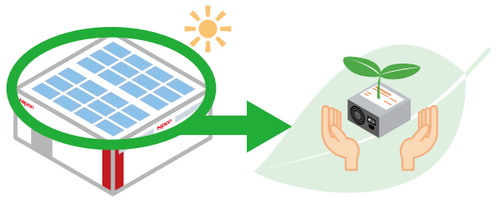
PV Oasis enables up to a 90% self-sufficiency rate in renewable energy

Mie Smart Factory



PSU Production with Renewable Energy

At the Mie Smart Factory, which began operations in September 2023, a combination of solar panels and our proprietary energy storage system covers most of the power consumed during production with solar energy. When conditions such as weather are favorable, a renewable energy self-sufficiency rate of over 90% is achieved.



Real-time System Status Monitoring

The current renewable energy self-sufficiency rate and power generation status are displayed on a digital signage at the factory entrance. Monitoring and control are also possible from remote locations.

Solar Power Generation Systems Installed at Key Locations

In addition to the Mie Smart Factory, solar panels are also installed at our Head Office and Hanshin Factory, Central Laboratory, and Sanda Power Plant.

The thermal power generation is the major source of commercial power. It emits the greenhouse gas because fossil fuel is used for this thermal power generation.

We use sustainable energy generated by solar panels to promote environmentally responsible management and reduce our impact on the environment.

Head Office & Hanshin Factory

Central Laboratory & Sales Head Office

Sanda Solar Plant

EVs Introduced for Company Vehicles, 100% Charged by Renewable Energy

Some of our company cars have been replaced with EVs and used for visiting customers and travelling between plants and offices.

The electric power consumed comes from an in-house solar power generation system to charge EVs 100% with renewable energy.

Sustainable PSU Design Initiatives

High efficiency design **Reducing end-product CO_2 emissions**

Nipron PSUs are designed with high efficiency in mind. By incorporating these highly efficient PSUs into end products, CO_2 emissions are reduced, contributing to the decarbonization of our customers' products.

Long life design **Contributing to waste reduction**

Nipron PSUs generate less heat than competitors' models and are designed to last more than 10 years. By enabling end users to use our PSUs for longer periods of time, we help reduce waste and support more sustainable operations.

CO_2

Awards and Recognitions

In June, 2023, Nipron was awarded the Environment-Friendly Business Award of Hyogo Prefecture. Our performance in improving efficiency of PSUs, recycling of batteries, and development and sale of renewable energy products was recognized.

TCO and Product Design

Nipron designs high value and service added products based on the consideration of "Total Cost of Ownership (TCO)". TCO defines the total cost of the project, including initial costs, running costs, maintenance costs, and all costs related to support and services that the end user bears. Nipron will continue to produce high-value-added products that consider TCO, so that not only the equipment and setup manufacturers, but also the end users who use the equipment can feel the benefits.

High reliability

Designed with sufficient derating margin

Long-term stable supply

Essentially 10 years of stable supply since their launch

High efficiency

Reduce electrical power rate
Reduce CO_2

Modification service

Flexible modification service responding to customer needs

Low noise

VCCI Class B compliant
No need for an external noise filter

Designed and made in Japan

For safety, reliability, and high quality

Long service life

Reduce the number of power supply replacement for maintenance
Reduce the industrial waste

High-grade customer support

Online support
Environmental measures
Failure analysis

Backup for blackouts

Operations unaffected by blackouts and sudden shutdowns
Automatic OS shutdown during blackouts

Advanced Testing for Product Maturity

Technical Testing ▶ **Stress Testing** ▶ **In-house Certification Testing**

We evaluate prototypes to identify potential design issues such as electrical characteristics, and to confirm that the product operates within its specified parameters.

We conduct tests under conditions far beyond the product's specifications to expose design weaknesses. The insights gained are used to build more robust PSUs.

The final step before market release is in-house certification testing, which is even more rigorous and detailed than technical testing. It ensures that the product meets all the necessary standards to be approved for sale.

Delivering Value with Quality Materials

We believe that building trust with our suppliers is critical to ensuring a continuous supply of Nipron brand products at the fair price. Our goal is to produce attractive products by sourcing not only "components" but also "value" from our suppliers.

Procurement Policy

Procurement from Reliable Suppliers

We aim to source from suppliers who demonstrate a distinctive and balanced competitiveness in quality, delivery, and cost (QDC).

Win-Win Partnerships

We strive to build mutually beneficial relationships with partners who support Nipron's growth and share a strong vision for future development.
Through close cooperation and continuous efforts from both sides, we aim to achieve meaningful, win-win results.

CSR-Focused Procurement

Nipron conducts its procurement activities with a strong emphasis on corporate social responsibility.

Thorough Component Delivery Management

Based on production plans, our system issues a "total quantity forecast" for required components, allowing us to secure the right amount of material on the right day. This ensures stable and reliable procurement.

Cost Management with a Focus on Fair Pricing

We source quality components to manufacture high-value PSUs. Offering cheap products is not our philosophy. By procuring materials at fair prices, we strive to be a trustworthy company that delivers the high-quality products needed by customers and society at fair and reasonable prices.

Long-Term Stable Supply

If a component is discontinued, we work quickly to secure available stock and our design team identifies compatible alternatives. This approach ensures a long-term and stable supply of Nipron PSUs.

Green Procurement

As part of our commitment to protecting the global environment, we actively promote green procurement. We encourage suppliers with environmental management systems to maintain and enhance their systems, while providing support and guidance to those who need to improve their environmental practices.

Supplier Selection and Evaluation

To support our continued growth, we seek to build strong, win-win partnerships with suppliers who share our vision. We evaluate suppliers based on QDC, using data collected from relevant departments. Through this process, we continually identify outstanding suppliers.

Uncompromising quality of Made in Japan

While much of Japan's manufacturing industry has moved overseas, Nipron is highly focused on ensuring our products deliver Made in Japan quality. Our development, design, and manufacturing processes are all integrated, and we believe such a system is essential to achieve high levels of productivity and quality.

Proactive introduction of new technologies in pursuit of higher-quality, more efficient manufacturing

Hanshin Factory

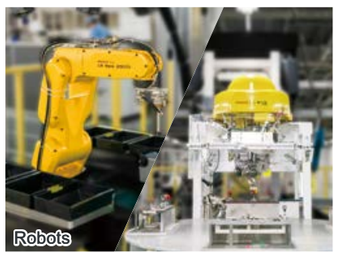
Main products: PC PSUs, large PSUs, products related to renewable energy

Mie Smart Factory

Main products: Board-type single-output PSUs, products related to renewable energy

Core factory advancing automation and BCP measures

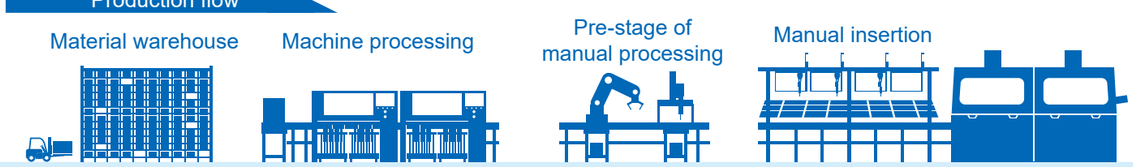
Our core factory is implementing automation in pre- and post-assembly processes by using automated warehouses and AGVs for parts delivery, pickup, and storage. In the pre-processing stage, tasks such as soldering and fin processing are performed by robots to enhance production efficiency. To strengthen our BCP and reduce production lead time, we are internalizing and automating metal processing operations. We are also committed to improving the working environment by introducing equipment such as vacuum grippers to reduce the physical strain on our workers.


Robots


Metal processing


Vacuum gripper

Production flow



Packed with automation technologies, this smart factory exemplifies digital transformation

Processes before and after assembly have been automated by the introduction of automatic sorting equipment and AGVs. And, by linking our in-house developed production system with an automatic sorting device, we have built a system that automatically supplies the required parts to the production line quickly and accurately, at the necessary time and in the required quantity, in accordance with the production plan. In this way, we have achieved a digital transformation.


Automatic sorting equipment


AGV


Machine processing

Sales structure for building a win-win relationship with our customers

Corporate strength is closely tied to effective sales capabilities. At Nipron, we have built customer-focused sales teams committed to understanding customer needs and providing exceptional service.

Eastern Sales
Central Sales
Western Sales

Our sales teams visit customers directly to understand their challenges and needs, providing power supply solutions. We also offer ongoing follow-up support to ensure the continued success of our customers' businesses.

Green Power Sales

This sales team specializes in power systems that combine solar power generation, battery storage, and other renewable technologies to support the transition to a decarbonized society. We provide solutions and power system products for customers working toward carbon neutrality and those seeking to strengthen their BCP measures in times of disaster.

Global Sales

Nipron's highly reliable and unique products, such as Nonstop PSUs, are attracting strong interest not only in Japan but also from companies around the world.

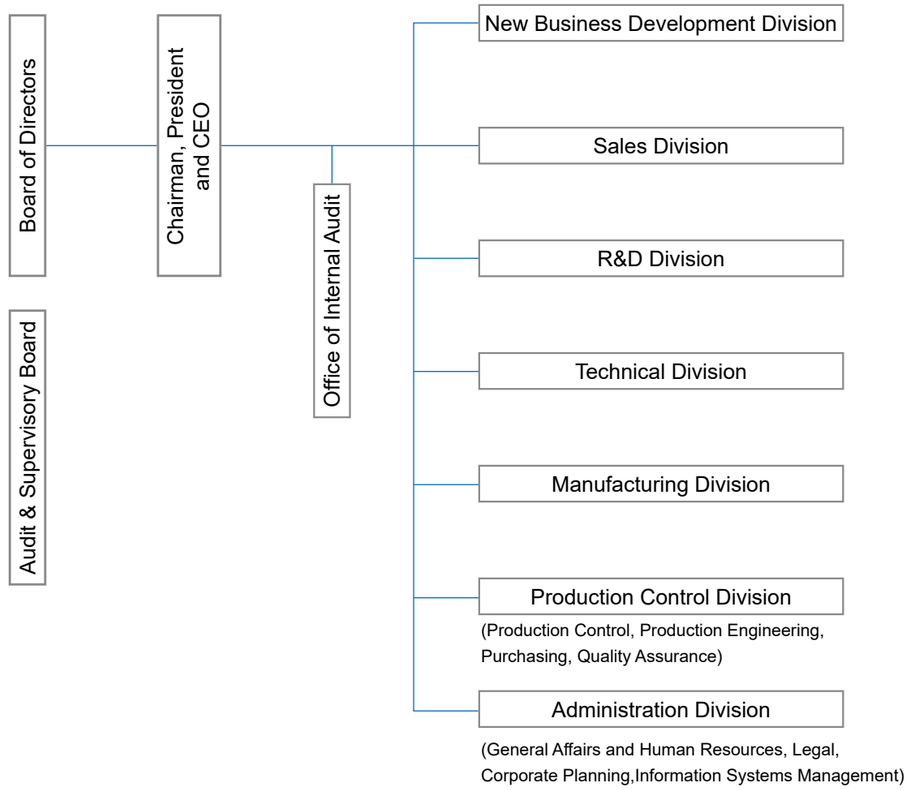
We provide sales and support to overseas customers through close cooperation between Nipron and our local distributors.

Together with our partners, we actively promote the Nipron brand and product offerings internationally, contributing to the growth and success of our customers' overseas businesses.

Web Sales

We are dedicated to solving the problems of customers who contact us through our website. Our team provides sales and support to customers in remote areas.

Organization chart



Certifications

ISO 9000 series

Approved	ISO 9001
Month/year	January 1999
Certificate no.	08144

ISO 14001 series

Approved	ISO 14001
Month/year	February 2004
Certificate no.	008145

Support

Long-term supply support

We consider long-term product supply to be an important part of our customer support. We make every effort to ensure stable supply for at least 10 years after a product is released.

Contact us

Analysis and repair support

By designing and manufacturing our own products, we have accumulated extensive product knowledge.
This allows us to respond quickly to customer needs, such as failure analysis.

- Prompt Response:
  First response within 2 weeks
- Courteous Service:
  Always from the customer's perspective
- Reliable Support:
  Assistance through to resolution
- Repair Support:
  Available for 7 years after product discontinuation

Sales support

- Sample lending

Environmental support

- Battery recycling
- Environmental management

Technical support

- Power supply encyclopedia
- FAQs
- Product inquiries

History

More than 50 years since our founding, and looking to the next 100, we introduce our journey to cement our position and what we have achieved thus far.

1967
Established Sakai Dengi Shokai at 6 Tenjinbashi.

1968
Renamed to Nihon Protector.

1970
Incorporated Nihon Protector Co., Ltd.
(Relocated the factory to Tonouchi, Amagasaki.)
Developed and released the CV series dropper-type DC stabilized power supply.


CV series

1974
Developed and released the new NCV/ECV series dropper power supply.


NCV/ECV series

1981
Relocated the factory and head office to Suita, Osaka.


Relocated to Suita

1985
Expanded the factory and head office.


The factory and head office after the expansion

1988
The mascot character Gen-san was created through an internal public contest.


The first Gen-san

1989
Established Cim Giken Co., Ltd.
as a sheet-metal processing division.

1990
Matsusaka Factory was built in Meiwa, Taki, Mie Prefecture, and began operations with automated insertion equipment.


Matsusaka Factory in 1990

1995
Acquired a U.S. patent for a switching regulator with a voltage chopping circuit.

1996
Became an authorized company under the Specified New Business Law of the Ministry of International Trade and Industry (currently the Ministry of Economy, Trade and Industry) for the excellence of Nonstop power supply. Built Hanshin Factory in Amagasaki with the head office function.


Hanshin Factory and Head Office (currently Central Laboratory)

1997
Acquired a U.S. patent for Nonstop Regulator.

1998
The second Matsusaka Factory was expanded with an auto chip component inserter line in Taki, Mie Prefecture.


Matsusaka Factory after the expansion

1999
All business sites acquired ISO 9001.

2001
Renamed to Nipron Co., Ltd.


Nipron name commemorative change ceremony

2002
Developed and released the eNSP-300P series, the world's first Nonstop power supply with modular cables.


eNSP-300P series

2004
Acquired environmental management system ISO 14001 certification.

2005
Released Mina-motto san series PC power supplies, which are available in PC stores.


Mina-motto san series

2007
Developed the OZ, OZP, and GPSA series single-output power supplies.


OZ, OZP, and GPSA series

2008
Built new Hanshin Factory in Amagasaki and opened as the head office.


Hanshin Factory and the head office

2012
East Business Office moved to Kawasaki, Kanagawa Prefecture.


East Business Office

2014
Released PV Maximizer, a DC/DC step-up converter without electrolytic capacitors optimized for solar power generation.


PV Maximizer

2015
Renovated the Matsusaka Factory and established a dedicated line for board-type standard power supplies.


Matsusaka Factory after the renovation

2017
Developed and launched PV eXpander, a system package that stores excess solar power for effective utilization.


PV eXpander

2018
Expanded the Hanshin Factory to improve production capacity.


Hanshin Factory after the expansion

2020
Installed a demonstration model of our Solar Carport EV Charging Station, capable of charging EVs with 100% renewable energy, at the Hanshin Factory.


Solar Carport EV Charging Station

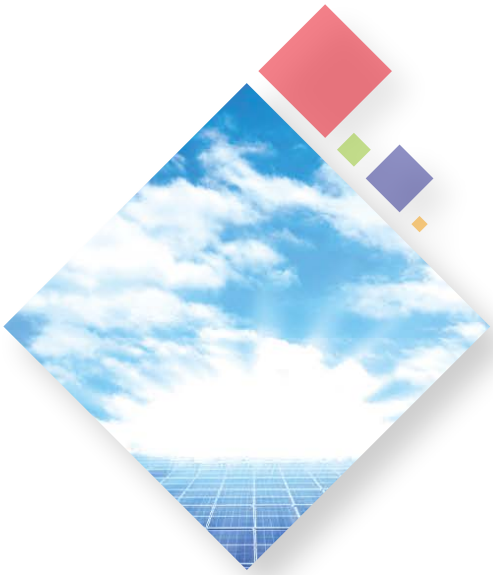
2021
Opened Metropolitan Area Office in Yokohama, Kanagawa Prefecture, and established the sales organization for the Green Power Solution Division.

2022
As executive personnel changes, Setsuo Sakai (founder) was appointed Representative Director & Chairperson, and Tatsuya Futami was newly appointed Representative Director & President.

2023
Built Mie Smart Factory in Taki, Taki, Mie Prefecture and relocated the Matsusaka Factory.

Introduced PV Oasis Battery Storage System, a renewable energy DC power supply system, to the Mie Smart Factory, implementing decarbonization and BCP measures.


Mie Smart Factory



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