

Nipron Wave

Vol.74

Highlights

- 1 Medical standard certified power supply**
400W medical standard certified power supplies (mUZP-400 series and mUZP-400/1200P series) available now.
Expanding our lineup of medical standard certified power supplies!
- 2 PV Oasis**
Enable a PV self-consumption system by selecting products based on your needs

源さん

IEC60601-1 Ed. 3.2

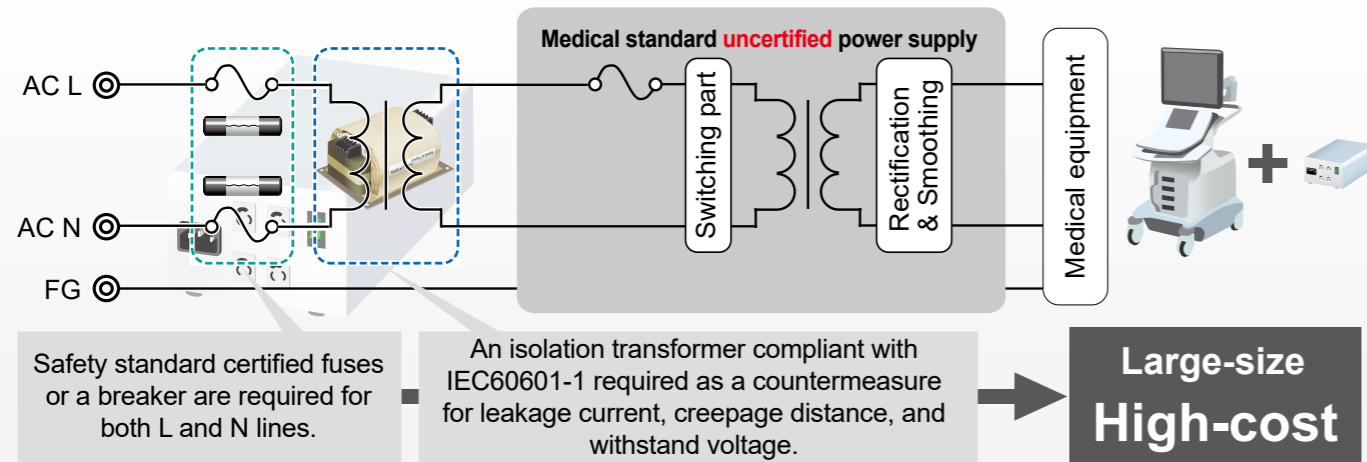
Medical standard certified power supply

Lineup expanding!

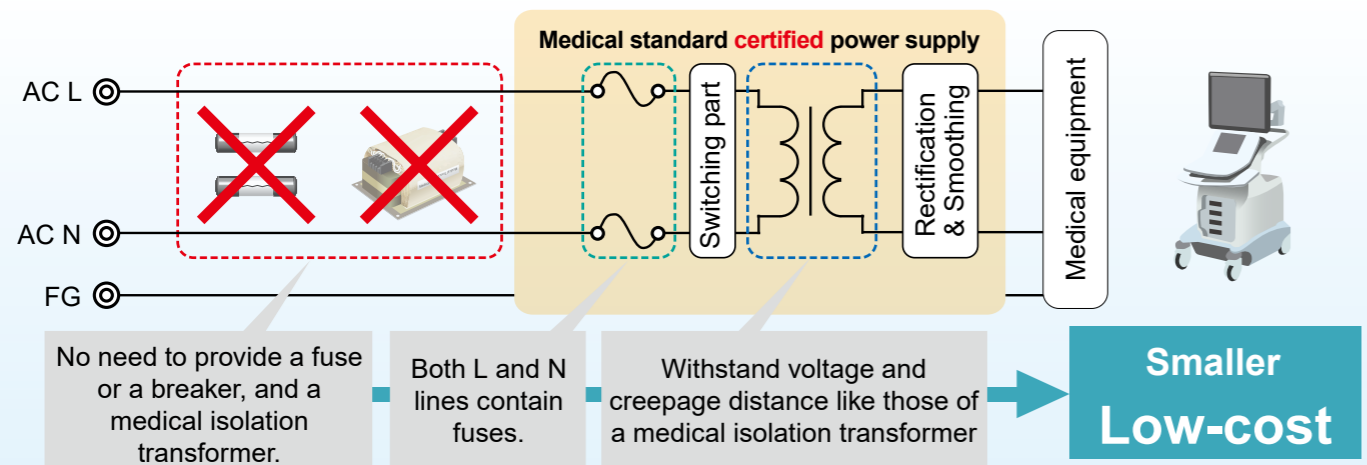
Benefits of using certified power supplies in medical equipment

If the product incorporates a power supply with the medical standard, testing of the power supply is essentially unnecessary, resulting in a reduction in the application period and application costs. In order to obtain certification of compliance with a medical standard, a company must apply to a certification agency and undergo an examination. If one of that company's products includes a power supply without the medical standard, the power supply undergoes testing that entails high costs and a very long waiting period from submission of the application until certification is obtained. To be clear, a power supply listed as certified according to the medical standard must incorporate features such as integrated fuses in both the L and N lines, compatibility with reinforced insulation, and low leakage current characteristics. This eliminates the need for preparation of expensive separate medical isolation transformers, fuses, and breakers, resulting in low-cost, secure, and safe medical electrical equipment.

Medical standard uncertified



Medical standard certified



Points All Nipron medical standard certified power supplies have built-in fuses on both L and N lines. In contrast, some other companies acquire medical standards on the condition that users must install external fuses.

List of Medical Standard Certified Power Supplies

Single output power supply lineup

X : Not certified to medical standards ✓ : Certified to medical standards

Series	IEC60601-1 Ed.2	IEC60601-1 Ed. 3.1		IEC60601-1 Ed. 3.2		Backup (capacitor) for momentary power failure	Backup (battery) for blackouts	Output voltage (single output)	Continuous output	Peak output
		2MOPP	2MOOP	2MOPP	2MOOP					
mFZP-075	X	✓	✓	✓	✓	✓	Note 3	5, 12, 15, 24V	50-75W	75-150W
mUZP-120	X	X	✓	X	✓	Note 3	Note 3	12, 24V	100.8-120W	200.4-201.6W
mUZPT-120	✓	✓	✓	✓	✓	Note 3	Note 3	12, 15, 24V	100.5-120W	200.4-201.6W
mUZP-150	✓	✓	✓	✓	✓	Note 3	X	12, 18, 24, 48V	150-153.6W	400.8-403.2W
mUZP-220	✓	✓	✓	✓	✓	✓	Note 3	12, 18, 24, 48V	180-220.8W	400.8-401.4W
mUZP-220/520P-24S05	X	✓	X	✓	X	✓	Note 3	24V	220.8W	520.8W
mOZP-200	X	X	Ed.3 ^{*1}	X	X	Note 3	Note 3	3.3, 5, 12, 15, 24, 36, ^{*2} 48V	132-201.6W	198-403.2W
mOZP-350	✓	✓	X	✓	X	✓	Note 3	12, 15, 24, 30, 36, 48V	300-352.8W	504-601W
NEW mUZP-400	X	X	X	✓	✓	✓	✓	12, 24, 36, 48V	320.4-403.2W	504-601.2W
NEW mUZP-400/1200P	X	X	X	✓	✓	X	X	24, 48V	403.2W	1200W
mGPSA-360	✓	X	Ed.3 ^{*1}	X	X	X	✓	12, 24V	360W	480-600W

*1 Certified with IEC60601-1 Ed. 3, not Ed. 3.1 or Ed. 3.2 *2 The 36V output is adjustable to 30V with a variable resistor *3 Possible, but not certified to medical standards. (Please contact us for details.)

PC power supply lineup

X : Not certified to medical standards ✓ : Certified to medical standards

Series	IEC60601-1 Ed. 2	IEC60601-1 Ed. 3.1		IEC60601-1 Ed. 3.2		Backup (battery) for blackouts	Continuous output	Peak output	Form factor
		2MOPP	2MOOP	2MOPP	2MOOP				
mHNSP4-1000P	X	X	Ed.3 [*]	X	X	✓	822W	1000W	ATX
mNSP3-450P	✓	X	Ed.3 [*]	X	X	✓	301W	450.5W	ATX
mPCSA-500P-X2S	✓	X	Ed.3 [*]	X	X	X	301W	500.5W	ATX
mHPCSF-400P-X2S1	X	X	✓	X	✓	X	310W	400W	SFX

*Certified with IEC60601-1 Ed. 3, not Ed. 3.1 or Ed. 3.2

Protective measures

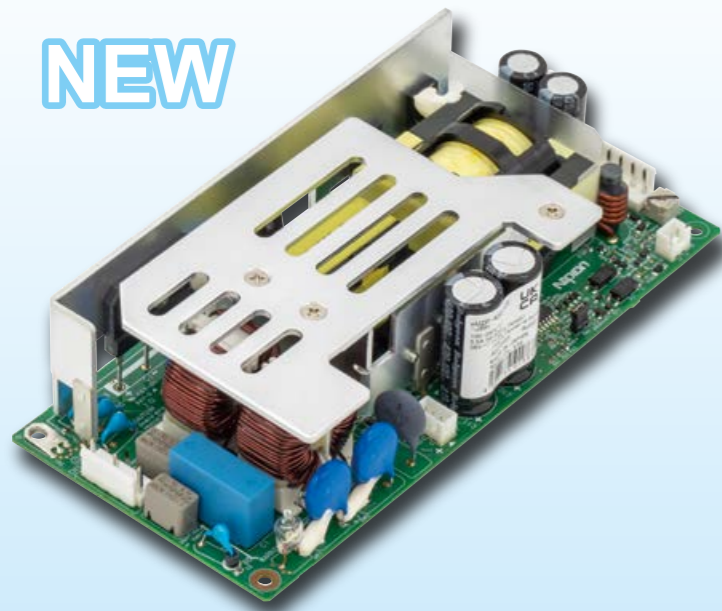
- MOOP Means of Operator Protection ⇒ Protective measures to reduce the risk of electric shock to people other than the patient.
- MOPP Means of Patient Protection ⇒ Protective measures to reduce the risk of electric shock to the patient.

Leakage current (an example of actual measurement at rated load)

Series	110 VAC input	264 VAC input
mFZP-075	0.13mA typ	0.30mA typ
mUZP-120	0.06mA typ	0.15mA typ
mUZPT-120	0.06mA typ	0.14mA typ
mUZP-150	0.06mA typ	0.15mA typ
mUZP-220	0.06mA typ	0.15mA typ
mUZP-220/520P-24S05	0.06mA typ	0.16mA typ
mOZP-200	0.05mA typ	0.15mA typ
mOZP-350	0.06mA typ	0.20mA typ
mUZP-400	0.05mA typ	0.16mA typ
mUZP-400/1200P	-	0.16mA typ
mGPSA-360	0.09mA typ	0.20mA typ
mHNSP4-1000P	0.13mA typ	0.31mA typ
mNSP3-450P	0.09mA typ	0.22mA typ
mPCSA-500P-X2S	0.09mA typ	0.23mA typ
mHPCSF-400P-X2S1	0.09mA typ	0.23mA typ

Medical standard certified and high-efficiency PCB type single-output power supply

NEW



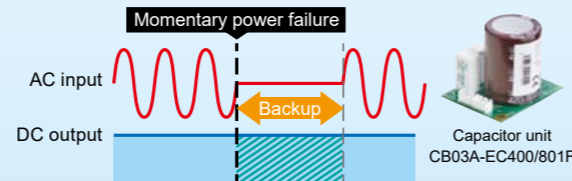
mUZP-400 Series

Continuous power : 400 / 320 W(12 V)
Peak power : 600 / 500 W(12 V)
Output voltage : 12 V / 24 V / 36 V / 48 V
Size : 84×45×180 mm
 (W×H×D)

Backup for momentary power failure

Connecting capacitor units creates a backup for momentary power failure by extending the output holding time.

(An additional connection harness required to connect the capacitor unit.)

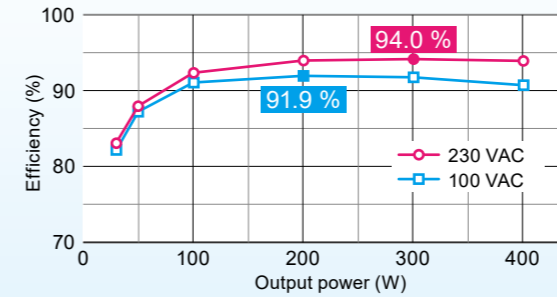


Low leakage current

Low leakage current of 0.05 mA typ. at 100 VAC and 0.11 mA typ. at 200 VAC

High-efficiency design

Efficiency graph (mUZP-400-A24, an example measurement)



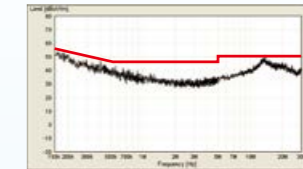
Specification

mUZP-400-A	12	24	36	48
Output voltage	+12 V	+24 V	+36 V	+48 V
Continuous current/continuous power (Convection cooling)	26.7 A 320.4 W	16.8 A 403.2 W	11.2 A 403.2 W	8.4 A 403.2 W
Continuous current/continuous power (Forced air cooling)	36 A 432 W	21 A 504 W	14 A 504 W	10.5 A 504 W
Peak current (within 10 s)	42 A	25 A	16.7 A	12.5 A
Peak power (within 10 s)	504 W	600 W	601.2 W	600 W
Input voltage	85-264 VAC (worldwide range)			
Safety standards (Application pending)	IEC/EN60601-1 (Ed. 3.2, MOPP, MOOP), IEC/EN62368-1 (CE marking)			

Features

Clears VCCI Class B for conducted emissions

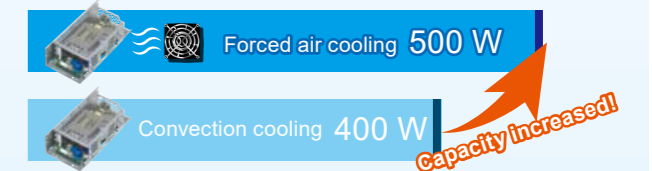
Contributes to reducing the cost and man-hours required. No need to install an external noise filter as this power supply unit clears VCCI Class B for the conducted emission.



Measurement condition
 Input : 230 VAC
 Output : rated load
 (mUZP-400-A24, an example of measurement)

Supports convection cooling and forced air cooling

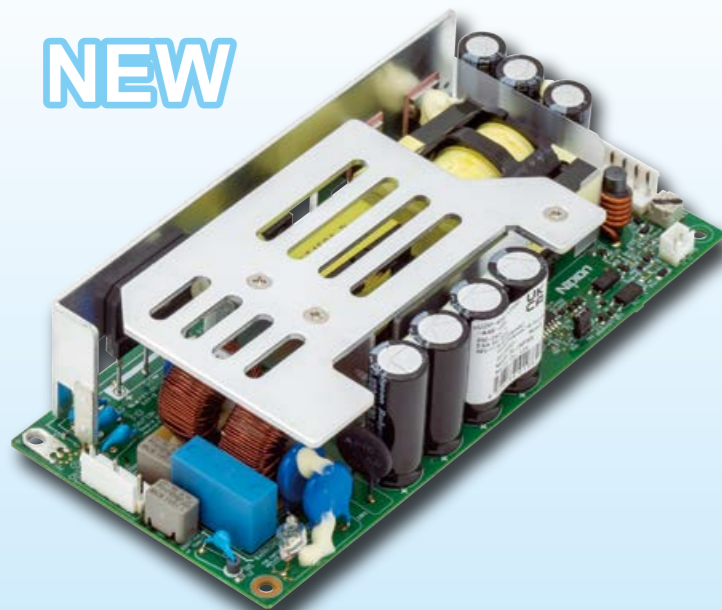
Continuous rated output power can be increased by forced air cooling.



(mUZP-400-A24/A36/A48)

Medical standard certified and high peak output board-type single-output power supply

NEW



mUZP-400/1200P Series

Continuous power : 400 W
Peak power : 1200 W
Output voltage : 24 V / 48 V
Size : 84×45×180 mm
 (W×H×D)

Low leakage current

Low leakage current of 0.05 mA typ. at 100 VAC and 0.11 mA typ. at 200 VAC

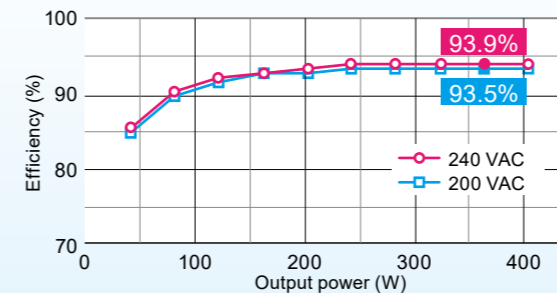
Supports high peak power

No need to select a large power supply with a continuous rated output that matches the peak load. The UZP-400/1200P series is designed to support high peak power, enabling peak output (up to 3 times the continuous rated output) for a duration of up to 10 seconds.

Peak **1200W**
 Continuous **400W** → **Max. 300%**

High-efficiency design

Efficiency graph (mUZP-400/1200P-A24, an example of measurement)



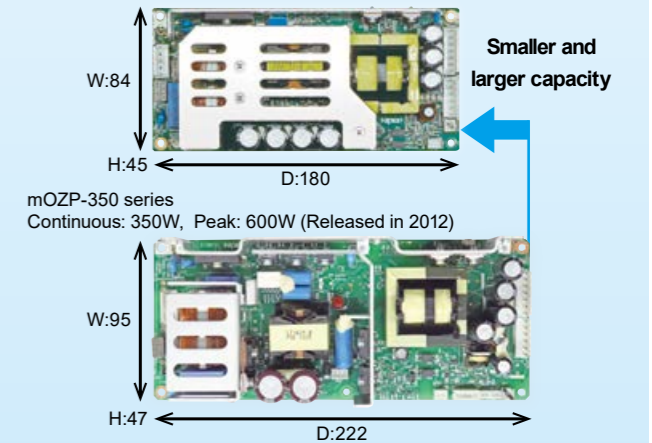
Specification

mUZP-400/1200P-A	24	48
Output voltage	+24 V	+48 V
Continuous current/continuous power (Convection cooling)	16.8 A 403.2 W	8.4 A 403.2 W
Continuous current/continuous power (Forced air cooling)	21 A 504W	10.5 A 504W
Peak current (within 10 s)	50A	25A
Peak power (within 10 s)	1200W	1200W
Input voltage	170-264 VAC (240-400 VDC)	
Safety standards (Application pending)	IEC/EN60601-1 (Ed. 3.2, MOPP, MOOP), IEC/EN62368-1 (CE marking)	

Smaller with higher capacity

Compared with Nipron's conventional models of the mOZP-350 series, the mUZP-400 series and mUZP-400/1200P series offer a 50W increased continuous capacity and a 30% smaller size.

mUZP-400/1200P Series
 Continuous : 400 W, Peak : 1200 W



Other features

- Variable resistor for adjusting the output voltage
- Remote ON/OFF function
- With chassis or with chassis and cover versions are available
- Enhanced resistance to external surges caused by lightning or other sources through the incorporation of an arrester and varistor as surge protectors.

Medical standard certified single-output power supply

75W

mFZP-075 Series

IEC60601-1 Ed. 3.2 MOPP, MOOP certified

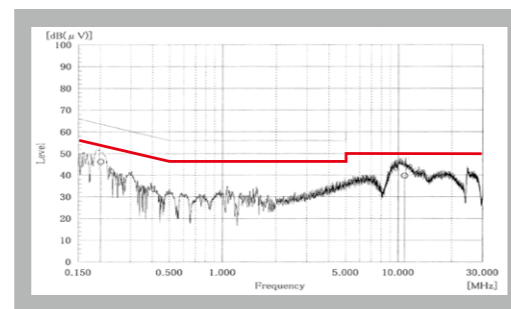


Continuous : **75 / 50 W** (5 V)
 Peak : **150 / 75 W** (5 V)
 Output voltage : **5 / 12 / 15 / 24 V**
 Size : **55×28×133 mm**
 (W×H×D)

● Clears VCCI Class B for conducted emissions

This power supply unit clears VCCI Class B for conducted emissions. No need for an external noise filter. It helps to save associated work and costs.

Conducted emissions: mFZP-075-12 (an example of measurement)
 [Measurement condition Input: 100 VAC Output: rated load]



● Low leakage current

Low leakage current both at 100 VAC and 200 VAC

[Leakage current: mFZP-075-24 (an example measurement)]

Input condition	Rated load	Min. load
100 VAC	0.13 mA	0.12 mA
200 VAC	0.25 mA	0.24 mA

● Supports high peak approx. double of the continuous power (except for 5V type)



● Other features

Achieved miniaturization and large capacity

Compared to Nipron's conventional model OZ-060, it has approximately 1.25 times larger capacity and 40% smaller size.

Equipped with a variable resistor for adjusting output voltage

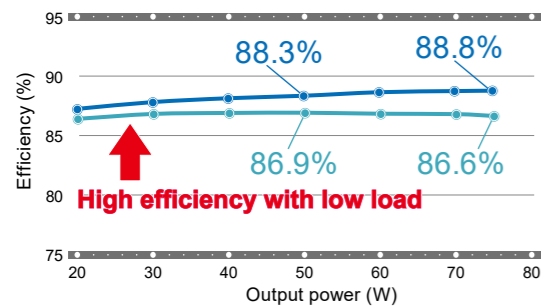
With chassis or with chassis and cover versions are available

● Achieved high efficiency and low-level heat generation

Achieved efficiency 88.8% typ. with a 24V output type. Variable frequency method is adopted to maintain high efficiency even at low loads. Smaller size and longer service life realized by high efficiency, reducing heat generation.

Efficiency graph: mFZP-075-24 (an example measurement)

[Measurement condition : 200 VAC 100 VAC]

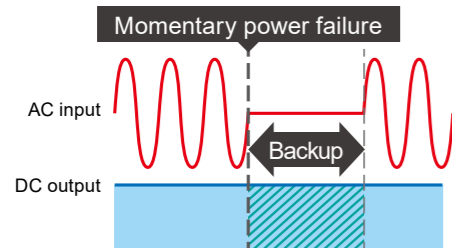


High efficiency with low load

● Backup for momentary power failures

Connecting capacitor units creates a backup for momentary power failures by extending the output holding time. It contributes to enhancing reliability of embedded devices.

Connection concept



*The capacitor unit can be connected with mFZP-075-**-JB0 and mFZP-075-**-JB0-C

120W

mUZP-120 Series

IEC60601-1 Ed. 3.2 MOOP certified



Continuous : **120 W**
 Peak : **200 W**
 Output voltage : **12 / 24 V**
 Size : **62×27×155 mm**
 (W×H×D)

● Ultra-thin with 27 mm height

● High efficiency 94% typ.

● Achieved low noise, and low leakage current.

This power supply unit clears VCCI Class B for conducted emissions while reducing leakage current. No need for an external noise filter. It helps to save associated work and costs.

● Supports peak output

● With chassis or with chassis and cover versions are available

150W

mUZP-150 Series

IEC60601-1 Ed. 3.2 MOPP, MOOP certified



Continuous : **150 W**
 Peak : **400 W**
 Output voltage : **12 / 18 / 24 / 48 V**
 Size : **75×35×160 mm**
 (W×H×D)

● Supports max. 260 % high peak



● The power supply clears VCCI Class B for conducted emissions

No need to install an external noise filter. It helps to save associated work and costs.

● Low standby power consumption

Reduce standby power at remote OFF

● With chassis or with chassis and cover versions are available

120W

mUZPT-120 Series

IEC60601-1 Ed. 2, Ed. 3.2 MOPP, MOOP certified



Continuous : **120 W**
 Peak : **200 W**
 Output voltage : **12 / 15 / 24 V**
 Size : **62×38×155 mm**
 (W×H×D)

● IEC60601-1 Ed. 3.2 MOPP certified

● High efficiency 94% typ.

● Achieved low noise, and low leakage current.

This power supply unit clears VCCI Class B for conducted emissions while reducing leakage current. No need for an external noise filter. It helps to save associated work and costs.

● Supports peak output

● With chassis or with chassis and cover versions are available

220W

mUZP-220 Series

IEC60601-1 Ed. 3.2 MOPP, MOOP certified



Continuous : **220 / 180 W** (12 / 18 V)
 Peak : **400 W**
 Output voltage : **12 / 18 / 24 / 48 V**
 Size : **75×36×160 mm**
 (W×H×D)

● Backup for momentary power failures

Momentary power failures can be addressed by connecting a capacitor board.

Connection concept



● Supports peak output

● The power supply clears VCCI Class B for the conducted emissions.

No need to install an external noise filter. It contributes to reducing the cost and man-hours required.

● With chassis or with chassis and cover versions are available

220W mUZP-220/520P-24S05

IEC60601-1 Ed. 3.2 MOPP certified



Continuous : **220 W**
 Peak : **520 W**
 Output voltage : **24 V (5VSB)**
 Size : **75×36×160 mm**
 (W×H×D)

- Supports a peak load approx. 230% higher than the continuous power



- Supports standby output (5V/1.5A)
- Achieved low noise, and low leakage current.

This power supply unit clears VCCI Class B for conducted emissions while reducing leakage current. No need for an external noise filter. It helps to save associated work and costs.

- With chassis or with chassis and cover versions are available

350W mOZP-350 Series

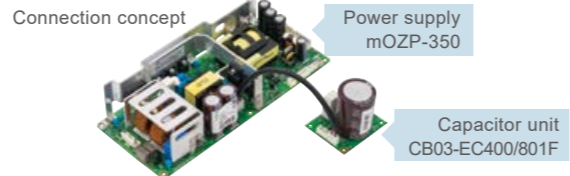
IEC60601-1 Ed. 2, Ed. 3.2 MOPP certified



Continuous : **350 / 300 W**
 (12 / 15 V)
 Peak : **600 / 500 W** (12 V)
 Output voltage : **12 / 15 / 24 / 30 / 36 / 48 V**
 Size : **95×47×222 mm**
 (W×H×D)

- Backup for instantaneous power failure

Momentary power failures can be addressed by connecting a capacitor board.



- Achieves high efficiency of 95 % typ. with 230 VAC input

- Supports peak output

- With chassis or with chassis and cover versions are available

Medical standard compliant products (Please contact your sales representative.)

40W FZP-040 Series



Continuous : **40 / 30 W** (5V)
 Peak : **60 / 40 W** (5V)
 Output voltage : **5 / 12 / 15 / 24 V**
 Size : **50×26×87.5 mm**
 (W×H×D)

- Without output derating until the ambient temperature of 50 °C

- Supports 150 % higher peak load

- Backup for instantaneous power failure

Momentary power failures can be addressed by connecting a capacitor board.



600W UZP-600 Series



Continuous : **600 W**
 Peak : **1200 W**
 Output voltage : **24 / 30 / 36 / 48 V**
 Size : **127×44×228.6 mm**
 (W×H×D)

- Fanless design with 1200W peak output capability

- Achieves high efficiency of 95 % typ. with 230 VAC input

- Backup for instantaneous power failure

Momentary power failures can be addressed by connecting a capacitor board.



High reliability & long service life Medical standard certified PC power supply

300W mPCSA-500P-X2S

IEC60601-1 Ed. 2, Ed. 3 MOPP certified



Continuous : **300 W**
 Peak : **500 W**
 Size : **150×86×140 mm**
 (W×H×D)

- Achieved low noise, and low leakage current.

This power supply unit clears VCCI Class B for conducted emissions while reducing leakage current.

310W mHPCSF-400P-X2S1

IEC60601-1 Ed. 3.2 MOPP certified



Continuous : **310 W**
 Peak : **400 W**
 Size : **125×63.5×125 mm**
 (W×H×D)

- Achieved high efficiency and low heat generation

- Achieved low noise, and low leakage current.

This power supply unit clears VCCI Class B for conducted emissions while reducing leakage current.

300W mNSP3-450P Series

IEC60601-1 Ed. 2, Ed. 3 MOPP certified



Continuous : **300 W**
 Peak : **450 W**
 Size : **150×86×140 mm**
 (W×H×D)

Nonstop power supply

- Backup for blackout

820W mHNSP4-1000P Series

IEC60601-1 Ed. 3 MOPP certified *



Continuous : **820 W**
 Peak : **1000 W**
 Size : **150×85×190 mm**
 (W×H×D)

Nonstop power supply

- Backup for blackout

- Achieved high efficiency and low heat generation

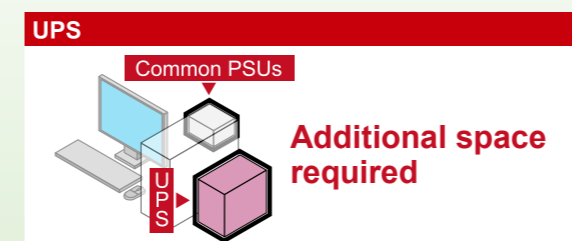
*Please use the battery pack, BS25A-H350/2.5L, together as this power supply has obtained safety standards as a set.

Advantages of Nonstop power supply

Utilizing our proprietary charging/discharging technology, uninterruptible power backup can be achieved simply by connecting a battery pack to a power supply unit that supports the feature. By installing the battery pack within the housing, power backup for momentary power failures and blackouts becomes available with a single unit.

Save space by eliminating the external UPS

The installation of a battery pack inside the housing makes it an optimum choice for PCs with the 5-inch bay occupied and replacing existing ATX PSUs.



Power feeding with NO instantaneous interruption.

Nonstop power supply does not require time to switch to battery operation in case of a blackout, thus achieving a highly reliable power feed with NO instantaneous interruption.

High-capacity single-output power supply

High capacity/high efficiency/multifunction

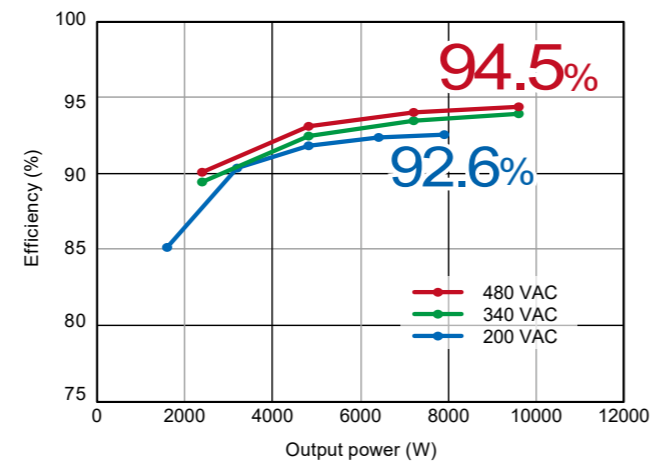
GP6UT-10K-400-PES under development



Output voltage	400 V
Adjustable output voltage range	240-400 VDC
Rated current/power (230 VAC)	19.6 A typ 7.56 kW
Rated current/power (480 VAC)	27 A typ 10.8 kW
Efficiency	92 % typ. (at 230 VAC input) / 94 % typ. (at 480 VAC input)
Input voltage	3φ200-480 VAC (Input voltage range: 3φ180-528 VAC)
Safety standard	UL/CSA62368-1 compliant
Size (W×H×D)	255×145×460 mm

Low-level heat generation by reducing power loss

Achieves high efficiency of 94.5% typ. with 480 VAC input, reducing heat generation. Also helps to cut work and costs associated with heat management.



Other features

- Supports three-phase harmonic current regulation (IEC 61000-3-12 compliant)
- 2 units in parallel can be installed in a 19-inch rack
- Please contact us for other output voltages

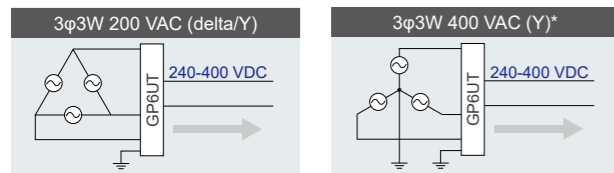
Supports CVCC output

Output voltage can be adjusted by detecting electric current.

Supports constant current

Supports three phases 200-480 VAC input

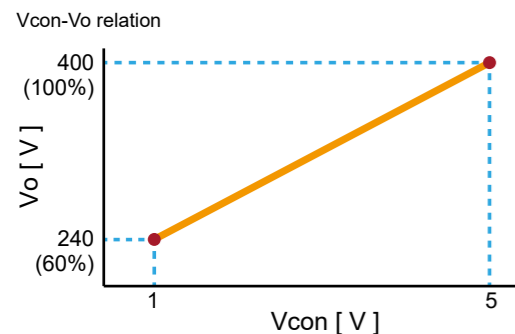
200 VAC input: delta wired (delta connection) or star wired (Y connection)
400 VAC input: star wired (Y connection)



* Please ground the neutral point when using star connection (Y connection)

Supports output voltage signal

Possible to control the output voltage (60%–100%) and output constant current (60%–100%) by external voltage input



USB PD power supply for DIN-rail

UDP-200-APD-T00-B under development



Port	USB-C Port 1					USB-C Port 2				
	5 V	9 V	12 V	15 V	20 V	5 V	9 V	12 V	15 V	20 V
Output voltage	5 V	9 V	12 V	15 V	20 V	5 V	9 V	12 V	15 V	20 V
Output current	3 A	3 A	3 A	3 A	5 A	3 A	3 A	3 A	3 A	5 A
Output power	15 W	27 W	36 W	45 W	100 W	15 W	27 W	36 W	45 W	100 W
	Max. 100 W					Max. 100 W				
Total output power	200 W									
Efficiency	88% typ. (at 115 VAC) / 90% typ. (at 230 VAC)									
Input voltage	85-264 VAC (worldwide range)									
Safety standard	UL62368-1(c-JL), IEC62368-1, PSE (ordinance clause 2) compliant									
Size(W×H×D)	With DIN-rail bracket 41×124×117.5 mm									

The Type-C USB port supports a max power output of 100 W.

The Type-C port makes it possible to supply the total power of 100 W (20V5A) max for a single port. (The output settings for each port are configured based on communication requests from devices compatible with the USB PD standard.)

100W

(20V5A)



Slim design

Compact and space-saving with a slim design



Simultaneous power supply with 2 ports

Features 2 USB PD compliant Type-C ports. This makes it possible to supply the power to a variety of devices 2 at a time.

Arrestor against lightning surges

The built-in arrestor enhances the resistance against external surges due to lightning or other causes.

Highly reliable domestic production

Long-term stable supply with domestic design and production

Wide operating temperature range from -10°C to 40°C

Flexible mechanical design is possible even at a high-temperature

* The specifications and appearance shown here may change without notice.



PV Oasis



PV Oasis stores surplus energy in batteries and utilizes the power without wasting it by integrating the PV power generation and batteries. In an emergency, the PV power generation and batteries will supply the power to sustain business activity even in a prolonged blackout.

Mie Smart Dream Factory Introduced PV Oasis



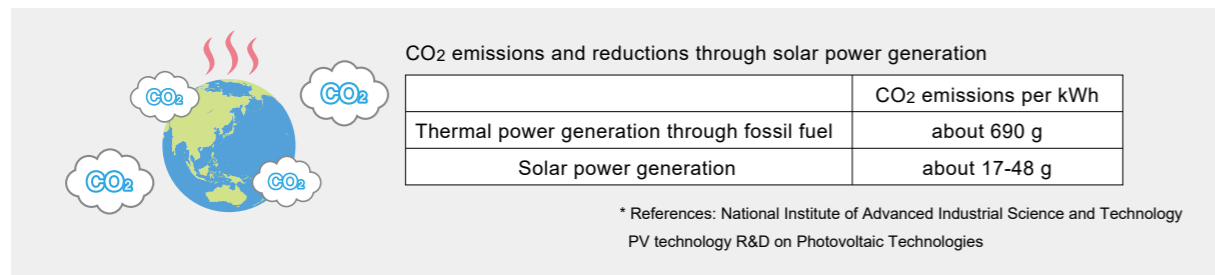
PV Oasis achieves 80% renewable electricity ratio

At Nipron Mie Smart Dream Factory, the implementation of PV Oasis has enabled a high ratio of renewable energy. Additionally, by sharing surplus power and battery-stored energy between the factory and the solar carport, the efficiency of generated power utilization is significantly enhanced.

Advantages of installing in-house PV power consumption system

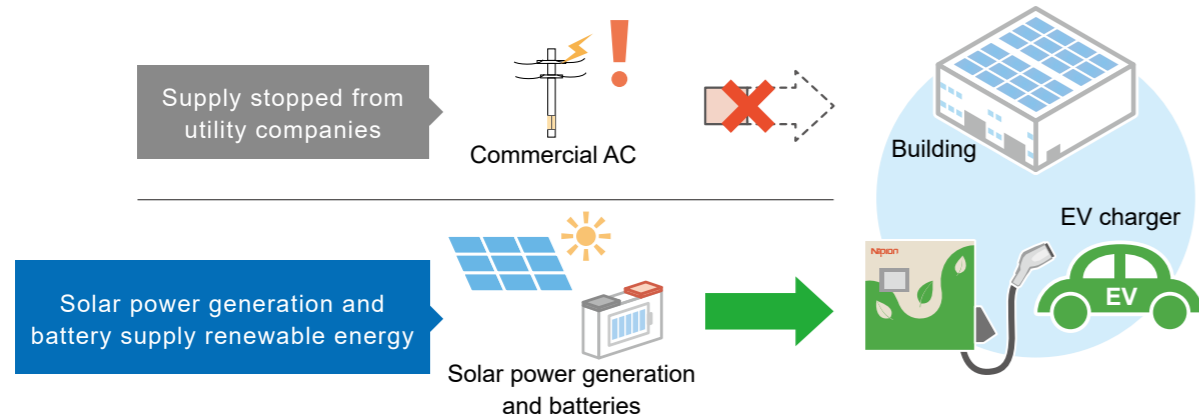
1 CO₂ reduction

To achieve carbon neutrality, it is increasingly important for companies of all sizes to address environmental challenges more proactively. A company's approach to these challenges is now significantly impacting its evaluation, leading to a rise in the number of companies adopting renewable energy and aiming to "power their operations with renewable sources." The initiative of "self-consumption of solar power," aiming to reduce dependence on thermal power generation, is expected to become even more important going forward.



2 Backup in emergencies like a power failure

In an emergency, the PV power generation and batteries will supply the power to sustain production activity even in a prolonged blackout.

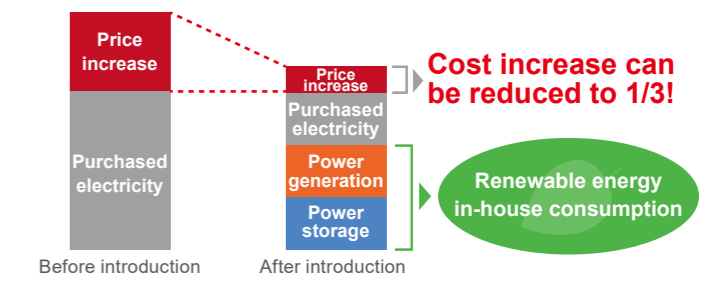


3 Reduce risks of electricity cost increases

The introduction of PV Oasis will reduce the cost of electric power. Even when the electricity rate is raised, the impact can be held in check.

For example, if the solar power can manage the 2/3 of power consumption, the impact of increase in the electricity rate will be reduced to 1/3.

Even if electricity rates increase by half...

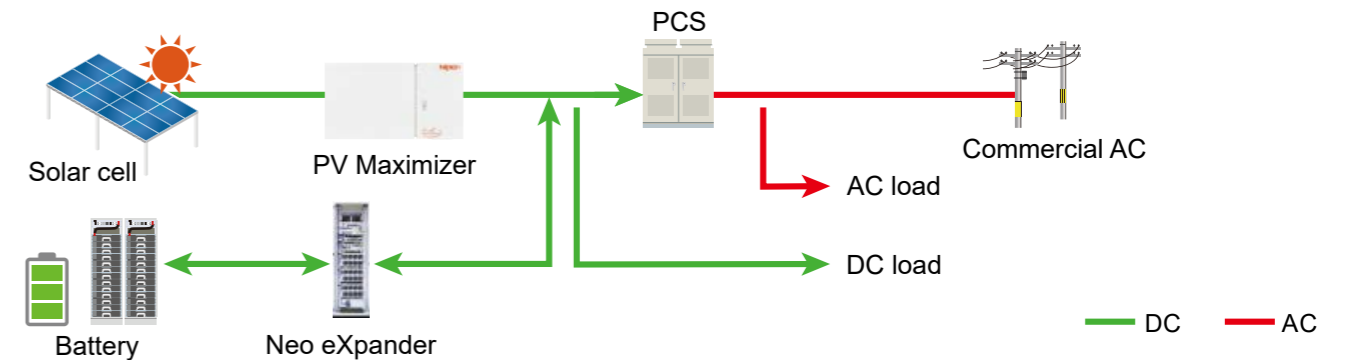


4 Help the promotion of EV charging infrastructure

The establishment of charging system is essential for the popularization of EVs. With the power supply from the solar power and battery, the introduction of PV Oasis in EV charging systems of 50 kW or larger is easy because it enables the use of low-voltage power feed system.

5 Supports DC power supply

Because PV Oasis connects the solar power generation system and the battery in DC without conversion, it reduces the power loss associated with the power conversion in ordinary systems. With PV Oasis, it is possible to build a system with a considerable reduction in the power loss associated with the power conversion since it facilitates the connection of devices supporting the use of DC power.



6 Off-grid operations become possible

In addition to the in-house power consumption system with grid connection, it is also possible to build an in-house power consumption system without the grid connection.

Advantages of Off-grid connection system

Negotiation for the grid connection not required

For the introduction in an existing facility, it is not necessary to revise the power supply contract and, therefore, it saves the trouble of making applications to the electric power company.

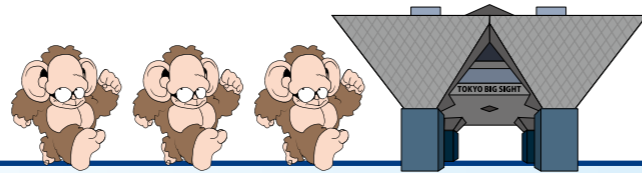
RPR not required as inverse current will not occur

PV Oasis is an independent, off-the-grid system. Therefore, inverse current never occurs even if the power generated exceeds the power consumed, which eliminates the need to install an RPR. This means that power generation is not stopped by the activation of RPR and the generated power will always be available for use.

Cubicle modification not required

Because of no grid connection, devices for the connection (such as OVGR and RPR) will be unnecessary, eliminating the need for modifying the cubicle.

Invitation to Exhibition



15th INT'L SMART GRID EXPO Tokyo

SMART GRID EXPO

Nipron will take part in the 15th INT'L SMART GRID EXPO Spring, which will be held for 3 days from February 28 to March 1 at Tokyo Big Sight.

This exhibition is Japan's largest specialized trade show for achieving carbon neutrality.

Efforts toward achieving carbon neutrality by 2050 are intensifying. At the Nipron booth, we will showcase products and offer solutions that contribute to realizing a decarbonized society.



*A scene from last year

Exhibition Report

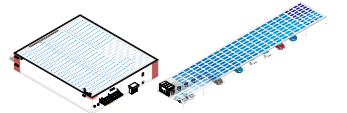
3rd DECARBONISATION EXPO

Nipron took part in the 3rd DECARBONISATION EXPO, which was held for three days from November 15 to 17 at INTEX Osaka.

The Nipron booth showcased the PV Oasis renewable energy storage system, as well as details of the large-scale system introduced at the Mie Smart Dream Factory completed in August 2023.



Report from the Management Policy Meeting and New Factory Unveiling



Management Policy Meeting and New Factory Unveiling Was Held at Mie Smart Dream Factory.

On October 27, 2023, we held our 18th Management Policy Meeting and unveiled our new Mie Smart Dream Factory, which had just started operation in September.



Product Exhibition and Factory Tour

The product exhibition showcased new products from each development division and introduced products through demonstrations. During the factory tour, visitors saw a production facility that incorporates automated technologies such as automated sorters and AGVs, as well as our decarbonization efforts.



18th Management Policy Presentation

At the Management Policy Presentation, Mr. Yukio Kubo, Mayor of Taki Town, gave a speech as the guest of honor, and Mr. Masaomi Koyama, Director of Resources, Energy and Environment Department, METI Kinki, gave a keynote speech. Afterwards, Mr. Futami, President and Representative Director of Nipron, gave a presentation on management policy.



*The Nipron Story,
as told by our Chairperson*

Nipron's New Year's Resolution for 2024!

New Year's Day, 2024

Happy New Year, everyone! I'm looking forward to working with you in the new year.

I had expected the New Year in our country, Japan, would kick off calmly and peacefully as if there was nothing to be worried, but I also felt that it might be the calm before the storm. Then, early New Year's Day, a major earthquake hit the Noto Peninsula in Ishikawa Prefecture, causing immense damage. I offer my sincere condolences.

In the fiscal year before last, Nipron had achieved an all-time high of 8.5 billion yen in order receipts, and sales momentum was maintained into June 30, 2023, being on track to reach 7.5 billion yen, or an increase of nearly 30% year-on-year. This fiscal year, however, we expect a reactionary decline in earnings due partly to the sharp downturn in the Chinese economy as mentioned earlier.

Nipron believes it is necessary to expedite the restructuring of its supply chain as a BCP measure. Concerning this issue, we have been preparing for these three fiscal years, and have already begun preparation for in-house sheet metal press work, but we need to review our plan and bring it forward. As an upheaval in the world economy is predicted, I have renewed my determination to take control of our business.

Entering such difficult times, as we move ahead to overcome the difficulties toward a new era of re-growth of Japan, we at Nipron have returned to the basics and reconsidered, "What is our mission to our customers?" My answer is that it is to gain the absolute confidence of our customers in Nipron's power supply equipment, which forms the heart of our customers' products.

To this end, the top priority must be given to "Q" (Quality): thorough implementation of the power supply creation concept of "Non Broken," "Non Destroyed," and "Non Stop." In the event of a power supply problem, we quickly respond and thoroughly implement fundamental measures.

Next is "D" (Delivery, on-time delivery). We maintain a sufficient inventory of EOL parts for long-term stable supply.

Finally, "C" (Cost) is managed under our policy of prioritizing business stability and avoiding reckless price competition. Based on our customer-oriented mission and BCP perspective amid the current global situation, a return to domestic production is likely to become the mainstream approach in the context of politics and economy, due to the weak yen and increased overseas risks. Given this, I believe that 100% domestic and 100% in-house production should be the dominant policy principle for the next 20 to 30 years. From this viewpoint, we have been building and expanding our domestic factories for the past 10 years, promoting automation and labor-saving of production facilities, increasing productivity, and bolstering our competitiveness.

Furthermore, recognizing the need for "workstyle reform" to nurture and enhance human resources, we are currently shifting to a "mild job" style (called the Nipron method). To revitalize the human resources, the personnel system, and the organization, we have introduced a management accounting system (NDMS: Nipron Department Management System), which has been built over 20 years and has been in operation.

We consider these efforts our "mission" because Nipron cannot operate without its customers. We sincerely hope you will appreciate the added value we provide through these activities.

We look forward to your continued guidance and encouragement this year.

*Setsuo Sakai
July 2024*



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