

**PM** ***ENERGI***  $\frac{A}{S}$



## ABOUT PM ENERGI A/S



### WHO IS PM ENERGI A/S?

PM ENERGI is Denmark's leading supplier of generator- and emergency power systems as well as Riello UPS systems. We also offer solutions from Rehlko and FPT. We supply both standard systems and special-designed solutions within emergency power.

PM ENERGI is a nationwide company with more than 100+ employees. Our main office is in Brønderslev and we have a fully staffed department in Hedehusene on Sjælland.

PM ENERGI offers a 24-hour hotline, which is your guarantee that the emergency power is always operational and able to provide the necessary backup. In case of emergency, we have more than 20,000 item numbers in stock and we can procure non-stocked spareparts at short notice.



## PRODUCT RANGE

At PM ENERGI, we have four different product categories that you can read more about below. All of our systems are built with recognized components that meet the strictest requirements for quality and reliability for emergency power. Our project department has extensive experience with designing complex controls for any solution. If you have questions regarding products, services or anything else, you are welcome to contact one of our employees. (See contact information on the next page)

### UPS-systems

No-Break, 0,4 kVA – 800 kVA

We are a registered supplier of RIELLO UPS-systems in Denmark, Iceland, the Faroe Islands and Greenland. We offer European-produced UPS-systems of the highest quality. Our product range includes all types of UPS- systems - with or without transformers, battery banks, supercaps and much more.



### Generator sets / Emergency power systems

8kVA – 3500 kVA

We have a strong program in generator- and emergency power systems. We offer a wide selection of standard- and special-designed solutions, built in accordance with the customer's needs.

All systems can be delivered as either stationary or mobile units - and with noise reduction, if desired.



### Transportable generators, welding systems and pumps

1kVA – 20 kVA

We offer everything in generator systems, welding systems and pumps for work and hobby use. Characteristics of the product range are functionality, flexibility and well-thoughtout design. The systems can be delivered as open, noise-reduced and mobile units.



### Service and spare parts

In addition to our various products, we also provide service on all types of emergency power, including generators and UPS. Spare parts can be provided at short notice from our well-stocked warehouse. Our service concept is based on manufacturer's recommendations and many years of technical knowledge. Preventive maintenance, inspection and testing of systems are all essential to achieving a high level of operational reliability. We adapt all our service agreements to meet the current needs of the individual customer.





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## UPS-SYSTEMS

### Why install a UPS?

Even a brief power outage can lead to loss of data, production, or compromise of safety. With an Uninterruptible Power Supply (UPS), you are guaranteed stable and secure power – completely without interruptions.

- Ensures continuous operation of critical systems
- Protects against power failures and electrical disturbances
- Delivers clean, stable power to your equipment
- Prevents damage and extends equipment lifetime

When you install a UPS system, you don't just get an uninterrupted power supply – you gain your own independent source of electricity.

The power from the UPS is completely isolated from the public grid, eliminating transients, overvoltage, and undervoltage. This works both ways: any distortion generated by equipment connected to the UPS will not be fed back into the grid. In this way, you avoid the risk of being required by your utility provider to install additional equipment such as power factor correction systems.

### Uninterruptible power supply

Our product range includes all types of UPS-systems - with or without transformers, traditional battery banks, rotating solutions, supercaps etc.

RIELLO UPS has a market-leading position and delivers systems of the highest quality globally. The solutions are economically advantageous, not only in purchasing, but also because of the high efficiency of the UPS-system already at minimal load.

This is done, among other things, via the "Smart Eco Mode" function, which can reduce power consumption to a minimum without compromising the supply.

When it comes to service, all UPS-systems are covered by the same high level of service that characterizes our generator installations.



## RIELLO UPS

### Sentinel Pro 700-3000 VA

Sentinel Pro is developed by RIELLO's own development- and research team.

Sentinel Pro is easy to install and protects critical equipment such as servers, medical devices and other smaller installations that require a professional backup supply.

Sentinel Pro is an online UPS with double-converting structure. This provides the high security that is also known from large 3-phase UPS-systems

Using the large display on the front of the UPS, it is possible to read current data from the system.

Sentinel Pro allows connection to both Ethernet via SNMP-card and USB-connection directly on the back.

Sentinel Pro can be set to run in ECO-mode, achieving the lowest operating costs.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can easily be accessed.



### HIGHLIGHTS

- Power factor 0.9
- Possibility of extra battery life
- Low noise level
- Low energy consumption
- 1-phase

## PRICE

If you want to know more about this UPS, please contact our sales department.

You can find contact information on page 3.

## RIELLO UPS

### Sentinel Dual 3.3-10 kVA

Sentinel Dual is the best solution for a small 1-phase where high security of supply is desired.

Sentinel Pro is easy to install and protects critical equipment such as servers, medical devices and other small consumers that require a professional backup supply.

Sentinel Dual is an online UPS with double-converting structure. This provides the high security that is also known from large 3-phase UPS-systems.

Using the large display on the front of the UPS, it is possible to read the current data from the system. The display can even be turned so that the UPS-system can be mounted in a rack or on the floor.

Sentinel Dual allows connection to both Ethernet via SNMP-card and USB-connection directly on the back.

Sentinel Dual can be set to run in ECO-mode, achieving the lowest operating costs.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can be easily accessed.



### HIGHLIGHTS

- Simple installation
- Possibility of extra battery life
- High performance in minimal space
- Advanced battery monitoring
- 1-phase

## PRICE

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## RIELLO UPS

### Sentryum 10-40kW

Sentryum takes up very little space to provide emergency power.

The system is extremely flexible, as it can be delivered in the three different cabin sizes. depending on how long battery life is desired.

The UPS-system provides clean kW (kVA = kW)

The systems have a large, user-friendly color display with touch operation.

Efficiency of up to 96.6% in Online mode.

Sentryum can connect up to 8 plants in total, so that the UPS system can grow as consumption increases or you want higher security, such as N+1

Sentryum can be delivered as three phases in / three phases out, but also as three phases in / one phase out.

Sentryum has an advanced battery monitoring system, so your batterybank is always ready and the battery life will be as long as possible.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can easily be accessed.



### HIGHLIGHTS

- Delivered in 10-40 kW
- Takes up minimal space
- High efficiency 96.6% (online)
- Advanced monitoring

## PRICE

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## RIELLO UPS

### Multi Sentry 60-200 kVA

Multi Sentry is developed with the aim of supplying, for example, data centres with high quality uninterrupted power.

The system has an extremely flexible installation of up to 60 KVA.

The UPS-system is controlled by an advanced DSP (Digital Signal Processor) and therefore always ready to provide the necessary protection of the connected equipment, wheter it is noise from the power grid or a complete power failure

Multi Sentry can connect 8 system parallely in total, so that the UPS-system can grow as consumption increases or you want higher security such as N+1.

The facilities have "Power Walk-In" in order to, for example, protect a generator when the system is to supply power to the connected equipment.

Multi Sentry has an advanced battery monitoring system, so your batterybank is always ready and batterylife is as long as possible.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can easily be accessed.



### HIGHLIGHTS

- Great flexibility 60-200kVA
- Takes up minimal space
- Possibility of parallel coupling
- Advanced monitoring

## PRICE

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## RIELLO UPS

### Multi Power 15-1176 kW

Multi Power represents the highest level of security when it comes to UPS systems for critical applications. It is designed to ensure maximum uptime and minimal downtime during faults or maintenance.

All components can be changed while in use without having to put the system in bypass. This ensures a secure supply even when replacing components.

It is designed with the possibility to adapt the system to the current load.

Multi Power has:

- A harmonic input distortion (THDI) of less than 1.5% at full load
- An input power factor of 0.99.
- Intuitive operation via the large 7" touch screen, where all functions can be operated with three access levels.

It has "Power Walk-In" in order to, for example, protect a generator when the system is to supply power to the connected equipment. It has an advanced monitoring system that constantly regulates the UPS-system in relation to the connected load, with minimal energy loss in the installation.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can easily be accessed.



### HIGHLIGHTS

- High efficiency of up to 96,5%
- Scalable solution
- 100% "Hotswap" without interruption of supply
- Only requires front access
- Intuitive touch screen for easy operation

## PRICE

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## RIELLO UPS

### Next Energy 250-800 kW

Next Energy is the latest step in UPS critical application facility.

It is designed to meet tomorrow's requirements for minimal energy consumption, but at the same time also the absolute highest security of supply.

Next Energy has:

- A harmonic input distortion (THDI) of less than 3% at full load.
- An input power factor of 0.99.
- It can be connected in parallel with up to 8 systems so that a total of 8 UPS-systems of 6,4 MW can be achieved.

It has "Power Walk-In" in order to, for example, protect a generator when the system is to supply power to the connected equipment.

Next Energy has an advanced monitoring system that constantly regulates the UPS-system in relation to the connected load, so that minimal energy loss is achieved in the installation.

This has made it possible to achieve an efficiency of up to 97% in double-converting operation.

It is possible to connect the UPS to the advanced monitoring system PowerShield3, where important information can easily be accessed.



### HIGHLIGHTS

- High efficiency of up to 97%
- KW=KVA Pf 1
- High short circuit level
- Only requires front access
- Intuitive touch screen for easy operation

## PRICE

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