



*Powering Confidence*



## NORDEN - UPS SYSTEM

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# Uninterrupted Power Systems



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Max Power Series

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Max Power pro Series

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Ultra Power Series

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Modular UPS

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Outdoor UPS

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Nano Power Series

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## MAX-POWER SERIES

### 1-3kVA Online Transformer-less UPS

Application for Commercial buildings & offices

Norden's Maxpower Series 1-3 kVA UPS is an online double conversion UPS that features a single phase in both input and output, and an output power factor of 0.9. This tower-type UPS is designed to be used in commercial buildings and offices, and can be connected to desktops and servers.



#### Features

- Online double conversion with full digital control
- High power density
- Built in EMI Filter and Surge Protection
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage:220/230/240Vac
- Maximum charging current up to 12A (long run unit)
- Emergency power-off function (EPO)
- ECO mode operation for energy saving
- Multiple communication interface:RS232(USB/Dry contact / SNMP card optional)
- Generator compatible
- Cold start
- Intelligent fan speed regulation

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## MAX-POWER SERIES

### 1-3kVA Online Transformer-less RM UPS

Application for Commercial buildings & offices



Norden's Maxpower Series 1-3 kVA UPS is an online double conversion UPS that features a single phase in both input and output, and an output power factor of 0.9. This has a rack and tower-type convertible design to be used in commercial buildings and offices, and can be connected to desktops and servers.

#### Features

- Online double conversion with full digital control
- Rack/Tower convertible design
- Built in EMI Filter and Surge Protection
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage:220/230/240Vac
- Maximum charging current up to 12A (long run unit)
- Emergency power-off function (EPO)
- ECO mode operation for energy saving
- Multiple communication interface:RS232(USB/Dry contact / SNMP card optional)
- Generator compatible
- Cold start
- Intelligent fan speed regulation



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## MAX-POWER SERIES

### 6-10kVA Online Transformer-less UPS

Application for Work Stations & Critical Equipment

Norden's Maxpower Series 6-10 kVA UPS is an online double conversion UPS that features a single phase in both input and output, and an output power factor of 0.9. This has a tower type designed to be used in workstations and critical equipment.



#### Features

- Online double conversion with full digital control
- The quantity of battery 16/18/20pcs (Settable)
- Built in EMI Filter and Surge Protection
- Wide input voltage range:110~286Vac
- Input power factor 0.99 with PFC
- Selectable output voltage:220/230/240Vac
- Maximum charging current up to 8A (long-run unit)
- Emergency power-off function (EPO)
- ECO mode operation for energy saving
- Multiple communication interfaces: RS232/USB(Dry contact / SNMP card optional)
- Generator compatible
- Cold start

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## MAX-POWER SERIES

### 6-10kVA Online Transformer-less RM UPS

Application for Data Centre & Telecommunication



Norden's Maxpower Series 6-10 kVA UPS is an online double conversion UPS that features a single phase in both input and output, and an output power factor of 0.9. It can supply reliable power to data center, crucial load , meet the high reliability of the customer and can provide comprehensive power protection for the user.

#### Features

- Online double conversion with full digital control
- High power density
- Rack/Tower convertible design
- Built in EMI Filter and Surge Protection
- N+X parallel redundancy, support maximum 4 units in parallel
- The quantity of battery 16/18/20pcs
- Wide input voltage range:110~286Vac
- Wide input frequency range
- ECO mode operation for energy saving
- Generator compatible
- Maximum charging current up to 10A
- Multiple communication interfaces: RS232/USB(Dry contact / SNMP card optional)
- Self-testing when UPS startup
- Cold start
- Intelligent fan speed regulation



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## MAX-POWER SERIES

### 10-20kVA Double Conversion Transformer-less UPS

Application for Emergency Equipment, Banks & Finance

Norden's Maxpower Series 10-20 kVA UPS is an online double conversion UPS that features a Three-phase in the input and single phase in the output, and an output power factor of 0.9. This UPS has a flexible battery configuration and redundant design for increased availability.



#### Features

- Online double conversion with DSP control
- Support parallel function(Optional)
- Built in EMI Filter and Surge Protection
- Support 3/1 and 1/1 operation
- The quantity of battery 16/18/20pcs
- Wide input voltage range:208~478Vac
- Wide input frequency range:40~70Hz
- Maximum charging current up to 18A(Settable)
- ECO mode operation for energy saving
- Generator compatible
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Multiple communication interfaces: RS232/USB/EPO (Dry contact / SNMP card optional)
- Cold start
- Intelligent fan speed regulation

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## MAX-POWER PRO SERIES

### 6-10kVA Double Conversion Transformer-less UPS

Application for Banks, Finance & Work Stations



Norden's Maxpower Pro Series 6-10 kVA UPS is an online double conversion UPS that features a single-phase in both the input and the output, and an output power factor of 0.9. This device is available in both tower-type internal battery and external battery models, providing both long and short backup times.

#### Features

- Online double conversion with full digital control
- N+X parallel redundancy, support maximum 4 unit in parallel
- Built in EMI Filter and Surge Protection
- Optimisation battery group, the quantity of battery: 16/18/20Pcs (Settable)
- Selectable output voltage: 220/230/240Vac
- Wide input voltage range: 110~286Vac
- Wide input frequency range
- Maximum charging current up to 10A
- ECO mode operation for energy saving
- Multiple communication interface:RS232 (USB/Dry contact/SNMP card optional)
- Self-testing when UPS start-up
- Generator compatible
- Cold start



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## MAX-POWER PRO SERIES

### 6-20kVA Double Conversion Transformer-less RM UPS

Application for Data center & Critical equipments

Norden's Maxpower Pro Series 6-20 kVA UPS is an online double conversion UPS that features 3/3, 3/1 and a unity output power factor. This model features a convertible rack-tower design and parallel redundancy capabilities, making it ideal for data center applications.



#### Features

- LCD support Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Wide input frequency range 40~70Hz
- Wide input voltage range:208~478Vac
- Input current harmonic:<3%
- Maximum Charging current up to 20A(Settable)
- Dual Input Sources
- ECO mode operation for energy saving
- Support 3/3 and 3/1 and 1/1 operation
- Generator compatible
- Cold Start
- Self-testing when UPS start-up
- 50/60Hz Frequency converter mode
- Intelligent fan speed regulation
- The quantity of battery: 30-50pcs is suitable

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## ULTRA-POWER SERIES

### 10-20kVA Double Conversion Transformer-less UPS

Application for Data center & Emergency equipments



Norden's Ultra power series 10-20 kVA UPS is an online double conversion UPS that features three-phase in both input and output and an output power factor of 0.9 .This tower type model Features a high power density design with parallel redundancy and ECO mode mode operation for power saving.

#### Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic:<3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Optimization battery group, the quantity of battery: 16/18/20pcs
- Maximum charging current up to 18A (Selectable)
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colourful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional



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## ULTRA-POWER SERIES

### 30-40kVA Double Conversion Transformer-less UPS

Application for Banks, Finance & Healthcare

Norden's Ultra power series 30-40 kVA UPS is an online double conversion UPS that features three-phase in both input and output and an output power factor of 0.9. This tower model features a high-density design with parallel redundancy and ECO mode for power savings.



#### Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Optimization battery group, the quantity of battery: 30~50pcs
- Maximum charging current up to 20A
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colourful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional

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## ULTRA-POWER SERIES

### 50-80kVA Double Conversion Transformer-less UPS

Application for Data Centre & Telecommunication



Norden's Ultra power series 50-80 kVA UPS is an online double conversion UPS that features three-phase in both input and output and a unity output power factor. This has a tower design which features strict voltage regulation and parallel operation of 6 units that makes it ideal for data centers and other critical business applications

#### Features

- Wide input voltage range 140~485Vac  
(Phase voltage 80~280Vac)
- Large charging current
- Three-level inverter topology, the efficiency can be up to 96%
- The output factor is 1.0, and can be meet 100% load
- Parallel redundant operation: maximum 6 units
- High adaptability for the load it can connect full inductive load or capacitive load
- Power Walk in function, it can reduce the start current impact to the system and reduce the capacity of the generator
- Optimization battery group, the quantity of battery:30-50pcs
- LBS function can realize 2 independent UPS systems work in synchronization enhancing the reliability of the system
- The output factor is 1.0, and can be meet 100% unbalanced load
- Support USB, RS485, Rs232, SNMP, dry contact card
- Colourful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional



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## ULTRA-POWER SERIES

### 100-150kVA Double Conversion Transformer-less UPS

Application for Industrial & Critical Equipments

Norden's Ultra power series 100-150 kVA UPS is an online double conversion UPS that features three-phase in both input and output and a unity output power factor. This tower design allows for maximum parallel operation of up to 6 units, making it perfect for industrial and other critical business applications with strict voltage regulation.



#### Features

- Wide input voltage range 140~485Vac (Phase voltage 80~280Vac)
- Large charging current
- Three-level inverter topology, the efficiency can be up to 96%
- The output factor is 1.0, and can be meet 100% load
- Parallel redundant operation: maximum 6 units
- High adaptability for the load it can connect full inductive load or capacitive load
- Power Walk in function, it can reduce the start current impact to the system and reduce the capacity of the generator
- Optimization battery group, the quantity of battery:30-50pcs
- LBS function can realize 2 independent UPS systems work in synchronization enhancing the reliability of the system
- The output factor is 1.0, and can be meet 100% unbalanced load
- Support USB, RS485, Rs232, SNMP, dry contact card
- Colourful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional



## ULTRA-POWER SERIES

### 160-200kVA Double Conversion Transformer-less UPS

Application for Data Centre & Critical Equipment



Norden's Ultra power series 160-200 kVA UPS is an online double conversion UPS that has three-phase in both input and output and a unity output power factor. This features a maximum parallel expanded operation of up to 6 units and has an inverter efficiency upto 96% makes it suitable for data center applications

#### Features

- Wide input voltage range 140~485Vac  
(Phase voltage 80~280Vac)
- Large charging current
- Three-level inverter topology, the efficiency can be up to 96%
- The output factor is 1.0, and can be meet 100% load
- Parallel redundant operation: maximum 6 units
- High adaptability for the load it can connect full inductive load or capacitive load
- Power Walk in function, it can reduce the start current impact to the system and reduce the capacity of the generator
- Optimization battery group, the quantity of battery:30-50pcs
- LBS function can realize 2 independent UPS systems work in synchronization enhancing the reliability of the system
- The output factor is 1.0, and can be meet 100% unbalanced load
- Support USB, RS485, Rs232, SNMP, dry contact card
- Colourful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional



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## ULTRA-POWER SERIES

### 20-300kVA Double Conversion Modular UPS

Application for Data Center & Healthcare

Norden's Modular UPS is an online double-conversion UPS that features cabinets that utilize power modules which are hot-swappable and shares the load. This has a higher inverter efficiency and a unity power factor which makes them crucial for data centers.



#### Features

- 20kW and 30kW power modules are deployed
- High reliability
- Wide Input Voltage range and frequency
- VRLA and Lithium battery Supportable
- Support recording and exporting history logs and fault logs
- Output power factor is 1.0
- With 7inches (standard) and 10inches (optional) colourful touch LCD screen

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## ULTRA-POWER SERIES

### 100-600kVA Double Conversion Modular UPS

Application for Data Center & Healthcare



Norden's Modular UPS is an online double-conversion UPS that features cabinets that utilize power modules which are hot-swappable and share the load. This has a higher inverter efficiency and a unity power factor which makes them crucial for data centers.

#### Features

- 50kW power modules are deployed
- High reliability
- Wide Input Voltage range and frequency
- VRLA and Lithium battery Supportable
- Support recording and exporting history logs and fault logs
- Output power factor is 1.0
- With 7inches (standard) and 10inches (optional) colourful touch LCD screen



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# ONLINE OUTDOOR UPS



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## OUTDOOR-UPS

### 1-3kVA ONLINE TRANSFORMER-LESS OUTDOOR UPS

Application for Outdoor Telecommunications, Surveillance Systems and Traffic Management



Norden's outdoor UPS (Uninterruptible Power Supply) is a type of power protection equipment designed to operate in outdoor environments. These UPS systems are specifically engineered to withstand environmental elements such as temperature variations, humidity, and exposure to dust or water. They are commonly used to provide reliable and continuous power to outdoor equipment or installations that are critical for various applications.

#### Features

- IP65 Protection
- Provides a pure uninterrupted AC sine wave power supply for the outdoor communication/network equipment
- The use of high temperature, anti cold, salt spray, anti-corrosion, anti dust, waterproof, lightning protection design
- Strong anti-jamming capability, Lightning, surge, short-circuit, network/fax/modem surge protection.
- Input L and N lines reverse wiring detection.
- The integration of an AC unit(optional) will extend the operating temperature range up to 70 C





## OUTDOOR-UPS

### 6-10kVA ONLINE TRANSFORMER-LESS OUTDOOR UPS

Application for Outdoor Telecommunications, Surveillance Systems and Traffic Management

Norden's outdoor UPS (Uninterruptible Power Supply) is a type of power protection equipment designed to operate in outdoor environments. These UPS systems are specifically engineered to withstand environmental elements such as temperature variations, humidity, and exposure to dust or water. They are commonly used to provide reliable and continuous power to outdoor equipment or installations that are critical for various applications.



#### Features



- IP65 Protection
- Provides a pure uninterrupted AC sine wave power supply for the outdoor communication/network equipment
- The use of high temperature, anti cold, salt spray, anti-corrosion, anti dust, waterproof, lightning protection design
- Strong anti-jamming capability, Lightning, surge, short-circuit, network/fax/modem surge protection.
- Input L and N lines reverse wiring detection.
- The integration of an AC unit (optional) will extend the operating temperature range up to 70 C



# Online Double Conversion Transformer-based UPS



Ultra Power Series

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## ULTRA-POWER SERIES

### 10-30kVA Double Conversion Transformer-Based UPS

Application for Industrial & Healthcare

Norden's Ultra power series 10-30kVA UPS is an online Transformer-based UPS which has three phase in both input and output and an output power factor of 0.9. This UPS Features an isolation transformer in the output side to provide galvanic isolation for the load connected and parallel operation helps to increase redundancy and capacity.



#### Features

- Online Double Conversion
- Full DSP Control
- High Power Factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Multi-protection
- Generator mode
- EPO function
- High Reliability and Lifetime

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## ULTRA-POWER SERIES

### 40-80kVA Double Conversion Transformer-Based UPS

Application for Industrial & Healthcare



Norden's Ultra power series 40-80kVA UPS is an online Transformer-based UPS which has three phase in both input and output and an output power factor of 0.9. This UPS Features an isolation transformer in the output side to provide galvanic isolation for the load connected and parallel operation helps to increase redundancy and capacity.

#### Features

- Online Double Conversion
- Full DSP Control
- High Power Factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Multi-protection
- Generator mode
- EPO function
- High Reliability and Lifetime



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## ULTRA-POWER SERIES

### 100-200kVA Double Conversion Transformer-Based UPS

Application for Industrial & Healthcare

Norden's Ultra power series 100-200kVA UPS is an online Transformer-based UPS which has three phase in both input and output and an output power factor of 0.9. This UPS Features an isolation transformer in the output side to provide galvanic isolation for the load connected and a 6 pulse rectifier and an optional 12 pulse rectifier model which can reduce the harmonic currents and increase the power factor considerably by reducing the amount of reactive power consumed.



#### Features

- Online Double Conversion
- Full DSP Control
- High Power Factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Multi-protection
- 6 Pulse and 12 Pulse Rectifier Optional
- EPO function

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## ULTRA-POWER SERIES

### 300-600kVA Double Conversion Transformer-Based UPS

Application for Industrial & Healthcare



Norden's Ultra power series 300-600kVA UPS is an online Transformer-based UPS which has three phase in both input and output and an output power factor of 0.9. This UPS Features an isolation transformer in the output side to provide galvanic isolation for the load connected and a 6 pulse rectifier and an optional 12 pulse rectifier model which can reduce the harmonic currents and increase the power factor considerably by reducing the amount of reactive power consumed.

#### Features

- Online Double Conversion
- Full DSP Control
- High Power Factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Multi-protection
- 6 Pulse and 12 Pulse Rectifier Optional
- EPO function





# Line Interactive UPS

Nano Power Series





## NANO-POWER SERIES

### 650-3000kVA Line Interactive UPS

Application for Home, Office & Workstations



Norden's Nanopower series includes the line interactive UPS that supplies simulated sine wave output. This Power protection device incorporates Automatic Voltage Regulation technology, allowing them to stabilize voltage fluctuations within a certain range without relying on battery power. This has an output power factor of 0.6 and is mostly used for personal computers and networking devices.

#### Features

- Line Interactive UPS with simulated sinewave output
- Excellent microprocessor control guarantees high reliability (Internal self-diagnostic technology)
- Cold start function
- Auto restart while AC is recovering
- Off-mode Optional Generator compatible
- Fast intelligent battery recharge function
- Compatible with generator
- Boost and buck AVR for voltage stabilization (one boost and one buck control)
- Offering LED and LCD panels for selections
- Optional USB/RS232 communication port and RJ11/RJ45 protection



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