

UPS and Critical Power solutions

2018
2019



IT applications - Overview of Critical Power

IT & Networking / Server rooms / IT infrastructure / Data centres

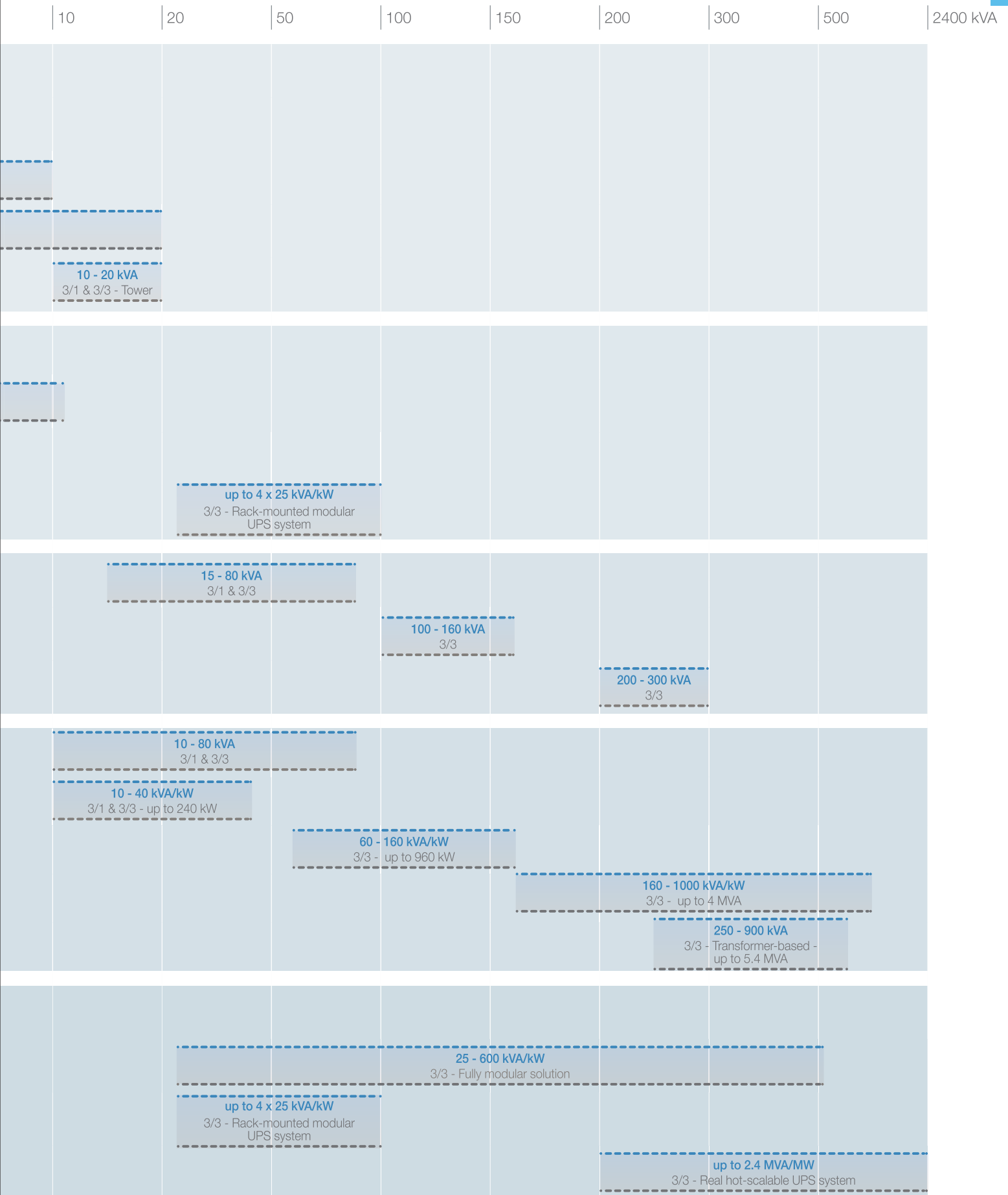
Architecture	Product	Page	0.5	1	2	3	5
Desktop / Tower UPS	 NETYS PE	p. 8	600 - 1000 VA 1/1 - Tower				
	 ITYS E	p. 8			1 - 10 kVA 1/1 - Tower		
	 ITYS	p. 8			1 - 20 kVA 1/1 & 3/1 - Tower		
	 ITYS PRO	p. 8					
Convertible 19" Rack & Rack/Tower UPS	 NETYS RT	p. 8			1.1 - 11 kVA 1/1 - Convertible Rack/Tower		
	 MODULYS RM GP	p. 12					
Single unit & parallel configuration UPS	 MASTERYS BC	p. 9					
	 MASTERYS BC	p. 10					
	 MASTERYS BC+	p. 10					
	 DELPHYS BC	p. 10					
Single & parallel UPS systems	 MASTERYS MC	p. 11					
	 MASTERYS GP	p. 11					
	 MASTERYS GP4	p. 11					
	 DELPHYS GP	p. 11					
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Modular & scalable UPS systems	 MODULYS GP	p. 12					
	 MODULYS RM GP	p. 12					
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solutions

Non-IT applications
Overview of Secure
Power solutions p. 2

Complementary solutions

Back-up storage, Static Transfer Systems (STS), Communication and connectivity, Power Distribution Unit (PDU) p. 14



Non-IT applications - Overview of Secure Power

Industrial and Manufacturing processes / Transport infrastructures / Medical equipment / Emergency

Architecture	Product	Page	0.5	1	2	3	5
Industrial rugged UPS for harsh environment	 MASTERYS IP+	p. 13					
	 MASTERYS IP	p. 13					
Transformer-based UPS	 DELPHYS MP Elite+	p. 13					
	 DELPHYS MX	p. 13					
Transformerless UPS systems	 MASTERYS MC	p. 9					
	 MASTERYS GP	p. 9					
	 MASTERYS GP4	p. 11					
	 DELPHYS GP	p. 11					
	 MODULYS GP	p. 12					
	 MODULYS RM GP	p. 12					
	 DELPHYS XTEND GP	p. 12					

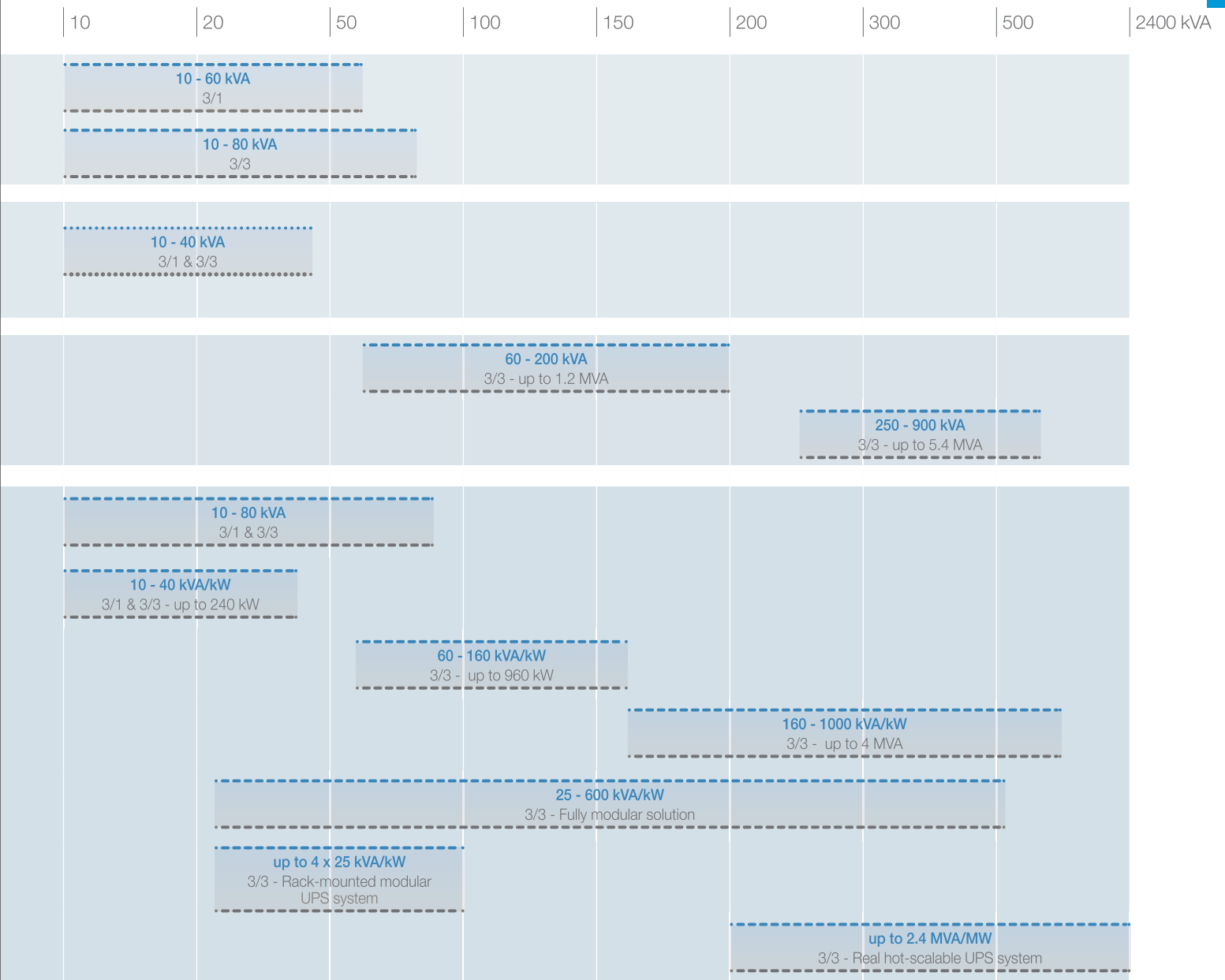
solutions

systems

IT applications
Overview of Critical
Power solutions p. 2

Complementary solutions

Back-up storage, Static Transfer Systems (STS), Communication and connectivity, Power Distribution Unit (PDU) p. 14



For the energy performance of your critical installations

The benefit of a specialist



SO innovative!

Since its foundation more than 95 years ago, SOCOMEC continues to design and manufacture its core products in Europe. Notably solutions for its primary mission: the availability, control and safety of low voltage electrical networks.

As an independent manufacturer, the Group is committed to constant innovation to improve the energy performance of electrical installations in infrastructures as well as industrial and commercial sites.

Throughout its history, SOCOMEC has constantly anticipated market changes by developing cutting-edge technologies, providing solutions that are adapted to customer requirements and fully in keeping with international standards.

“Optimising the performance of your system throughout its life cycle” - this is the commitment carried out every day by the SOCOMEC teams around the world, wherever your business is located.

SYDNY 419 A

1
independent
manufacturer

3,500 m²
of test platforms

One of the leading independent power testing labs in Europe

10 %
of turnover
invested
in R&D

Always at the cutting-edge of technology for innovative, high-quality products

70,000
on-site
interventions
per year

Nearly 400 experts in commissioning, technical audit, consultancy and maintenance



Your energy, our expertise

Power conversion

Ensuring the availability and storage of high quality power

With its wide range of continuously evolving products, solutions and services, Socomec are recognised experts in the cutting-edge technologies used for ensuring the highest availability of the electrical power supply to critical facilities and buildings, including:

- static uninterruptible power supplies (UPS) for high-quality power free of distortions

and interruptions occurring on the primary power supply,

- changeover of static, high availability sources for transferring the supply to an operational back-up source,
- permanent monitoring of the electrical facilities to prevent failures and reduce operating losses,
- energy storage for ensuring the proper energy mix of buildings and for stabilisation of the power grid.



© Datacock

Power switching

Managing power and protecting persons and facilities

Active in the industrial switching market since its foundation in 1922, Socomec is today an undisputed leader in the field of low voltage switchgear, providing expert solutions that ensure:

- isolation and on load breaking for the most demanding switching applications,
- continuity of the power supply to electrical facilities via manual remotely operated or automatic transfer switching equipment.
- protection of persons and assets via fuse-based and other specialist solutions.



APPLI 575A

Power monitoring

Managing the energy performance of buildings

Socomec solutions, from current sensors through to a wide choice of innovative scalable software packages are driven by experts in energy performance. They meet the critical requirements of facility managers and operators of commercial, industrial and local authority buildings for:

- measuring energy consumption, identifying sources of excess consumption and raising the awareness of occupants about their impact,
- limiting reactive energy and avoiding the associated tariff penalties,
- using the best available tariffs, checking utility bills and accurately distributing energy billing among consumer entities,
- monitoring and detecting insulation faults.



APPLI 571A

Expert Services

Enabling available, safe and efficient energy

Socomec is committed to delivering a wide range of value-added services to ensure the reliability and optimisation of end-users' equipment:

- prevention and service operations to lower the risks and enhance the efficiency of operations,
- measurement and analysis of a wide range of electrical parameters leading to

recommendations for improving the site's power quality,

- optimisation of the total cost of ownership and support for a safe transition when migrating from an old to a new generation of equipment,
- consultancy, deployment and training from the project engineering stage through to final procurement,
- performance assessment of the electrical installation throughout the life cycle of the products via analysis of data transmitted by connected devices.



APPLI 760A

For a high quality power supply

innovative power solutions

Critical equipment requires high quality energy and faultless continuity of the power supply. Our uninterruptible power systems (UPS), static transfer systems (STS), and DC/AC and AC/DC converters (inverters and rectifiers, respectively) comprise the most complete ranges in the world and cover a very wide range of applications for every sector of activity.



- > Uninterruptible power supply systems (UPS)
- > Static transfer systems (STS)
- > Backup storage systems
- > Industrial rectifiers
- > DC/AC converters (inverters)
- > Communication and management software
- > Maintenance & Professional Services

High availability

The availability of electrical energy is a strategic factor in industries as varied as telecommunications, data processing centres and industrial processes. It is also vital for certain medical applications. In all these sectors, SOCOMEC offers you all the benefits of its 50 years of experience.

Product solutions that meet requirements

Underspinned by significant R&D resources, our product offer continually evolves as a consequence of our contact with customers. Our products have gained approval from the most demanding users: telecoms operators, naval industry, etc.

Customer-oriented service

Our extensive sales and after-sales network means we are always there for you. Our partner-customers recognise the quality of our products and their availability, as well as our flexibility and commitment to meeting requirements.

A certified organisation

Products



Local compliance



Environment



Industrial sites



4 performance levers

The vision of a specialist

- > Solutions focused on customer applications
- > Listening to customers' requirements
- > Experienced personnel

The focus on service

- > Project consulting in design phases
- > CIM worldwide organisation
- > Audits & consulting

The spirit of innovation

- > Cutting-edge technologies
- > Regular launch of new solutions
- > Products and solutions

The know-how of a manufacturer

- > A commitment to quality
- > LEAN manufacturing
- > The largest UPS manufacturing plant in Europe

Continuous innovation

1968

1st UPS

1987

1st Static Transfer System (STS)

1988

Transistor technology (600 kVA)

1989

IGBT & microprocessor

1990

Distributed parallel architecture

1994

Transformerless technology

1996

IGBT up to 800 kVA

1998

Digital Signal Processor (DSP)

2001

1st modular UPS

2003

IGBT rectifiers up to 200 kVA

2004

New battery charging design

2006

Dynamic Energy Storage System (Flywheel)

2008

High efficiency UPS

2010

Most compact 900 kVA UPS

2012

High power 3-level technology

2014

"Forever Young" design for modular UPS

2015

Real hot-scalable high power UPS system
Rack-mounted modular UPS system

2017

MASTERYS: 4th generation digital native UPS



'Best-in-class'
manufacturer

FROST & SULLIVAN

2003

Customer Service Excellence

2004

Customer Service Excellence

2006

Product Innovation

2009

Energy & Power Systems Product Line Strategy

2011

Product Innovation

2013

Product Differentiation Excellence

2014

European UPS Company of the Year

2015

European UPS Technology Leadership Award

Uninterruptible Power Supplies

Single-phase UPS

NETYS PE

- From 600 to 1000 VA
- AVR - Automatic Voltage Regulation
- Step wave inverter technology
- Protection against power cut, overload, significant discharge and short circuit
- Indian standard output sockets
- Integrated NTP protection
- USB interface



GAMME 279 A

AVR - Automatic Voltage Regulation

The AVR function (Automatic Voltage Regulation) stabilizes the output voltage and avoids the switching to Battery Mode operation, therefore saving the battery to support critical power cut events.

NETYS RT

- 1100 to 11000 VA
- VFI "online double conversion"
- Installation in tower mode or inside 19" rack cabinets
- TÜV GS (product safety), RoHS
- IEC input and output connections (1100-3300 VA) or terminal input and output connections with input switch (5000-11000 VA).
- Modular battery extension
- Parallel redundant configuration and manual bypass (5000 to 11000 VA)
- Local View
- RT-Vision



GAMME 556 A

LOCAL VIEW

Ideal UPS monitoring and shutdown point-to-point solution for Windows®, Linux and Mac OS X® operating systems.

RT-VISION

Professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

NET VISION

Professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

ITYS E

- 1 to 10 kVA
- RoHS
- Constant output voltage and frequency regulation
- BIS Certified
- Indian standard output sockets or terminals
- Models with or without internal batteries
- Models with powerful battery charger to use external battery cabinets
- Local View
- Net Vision



ITYS

- 10 to 20 kVA
- RoHS
- Constant output voltage and frequency regulation
- Output terminals
- Flexible battery management
- Models with powerful battery charger to use external battery cabinets
- Local View
- Net Vision



ITYS 061 A

ITYS PRO

- 10 to 20 kVA
- 95% efficiency in VFI mode
- Output power factor: 0.9
- Designed to operate in challenging electrical environments
- Dual input mains
- Available in Standalone, Hot Standby and Parallel configurations
- Redundant bypass protection
- Internal maintenance bypass
- Flexible battery management
- EBS battery management system
- Local View
- Net Vision
- LINK-UPS



LINK-UPS

Remote monitoring service that connects your UPS to your Critical Power specialist 24/7.

Uninterruptible Power Supplies

Three-phase / single-phase UPS

MASTERYS BC

- 15 to 20 kVA
- TÜV SÜD (product safety)
- Output power factor 0.8
- Dual input mains
- Redundant parallel configuration
- Internal batteries (standard) and external battery cabinets (option)
- EBS battery management system
- NET VISION



MASTERYS BC

MASTERYS MC

- 10 to 20 kVA
- Dual input mains
- Parallel configuration up to 6 units
- Internal batteries and external battery cabinets (option)
- Internal manual bypass
- EBS battery management system
- Net Vision
- LINK-UPS



MASTERYS MC

MASTERYS GP

- Green Power 2.0 range
- 10 to 20 kVA/kW
- TÜV SÜD (product safety)
- 96% efficiency in VFI mode independently tested and verified
- Full-rated power: kW = kVA
- Parallel configuration up to 6 units
- Internal maintenance bypass
- EBS battery management system
- Net Vision
- LINK-UPS



GAMME 125 B

MASTERYS IP+

- 10 to 60 kVA
- Designed to protect industrial processes
- TÜV SÜD (product safety)
- Compact solution with isolation transformer and integrated batteries
- Robust enclosure (2 mm thick heavy steel structure)
- Floor anchoring (to prevent tilting)
- Standard IP31 protection degree, dust and water splash resistant enclosure (IP52) with easy replaceable dust filters (option)
- Operation at temperature up to 50 °C
- Double EMC immunity
- Double overvoltage protection
- Net Vision
- LINK-UPS



GAMME 140 A

EBS (Expert Battery System)

EBS - Expert Battery System - manages the battery charger responding to the working temperature to preserve battery life and reduce operating costs. Able to manage different types of batteries (sealed, open lead-acid and nickel-cadmium batteries), it also protects batteries against deep discharge and provides a real-time calculation of the remaining back-up time, a real-time measurements concerning the battery and a periodic battery test for monitoring battery efficiency and for programming preventive or corrective maintenance in the case of abnormal situations.

NET VISION

Professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

LINK-UPS

Remote monitoring service that connects your UPS to your Critical Power specialist 24/7.

Certifications



The MASTERYS GP4 series is certified by TÜV SÜD with regard to product safety (EN 62040-1).



Seismic resistant
The MASTERYS GP4 units have successfully passed severe tests to verify their resistance to withstand Zone 4 seismic events.

Advantages



Uninterruptible Power Supplies

Three-phase / single-phase UPS (continued)

MASTERYS IP

- 10 to 30 kVA
- Designed to protect industrial processes
- A compact solution with isolation transformer integrated into the UPS cabinet
- Full metallic enclosure (IP21 cabinet)
- Available in Standalone, Hot Standby and Parallel configurations
- Dual input mains
- Internal maintenance bypass
- Permanent isolation controller (CPI)
- EBS battery management system
- Net Vision
- LINK-UPS



Three-phase UPS

ITYS PRO

- 10 to 20 kVA
- 95% efficiency in VFI mode
- Output power factor: 0.9
- Designed to operate in challenging electrical environments
- Dual input mains
- Available in Standalone, Hot Standby and Parallel configurations
- Redundant bypass protection
- Internal maintenance bypass
- Flexible battery management
- EBS battery management system
- Local View
- Net Vision
- LINK-UPS



MASTERYS BC

- 15 to 80 kVA
- TÜV SÜD (product safety)
- Output PF : 0.8 (15 to 40kVA) : 0.9 (60 to 80kVA)
- Dual input mains
- Redundant parallel configuration
- Internal batteries (standard) and external battery cabinets (option)
- EBS battery management system
- NET VISION



MASTERYS BC+

- 100 to 160 kVA
- VFI efficiency 95%
- PF : 0.9
- Full performances up to +35 °C
- Distributed Battery
- Ready for Li-ion Battery
- Display graphical LCD
- Native RoHS compliant
- Seismic compliance
- Metallised Grey E150HVR



DELPHYS BC

- 200 to 300 kVA
- Output power factor: 0.9
- Dual input mains
- Backfeed protection
- Redundant parallel configuration
- Shared battery
- EBS battery management system
- LINK-UPS



EBS (Expert Battery System)

EBS - Expert Battery System - manages the battery charger responding to the working temperature to preserve battery life and reduce operating costs. Able to manage different types of batteries (sealed, open lead-acid and nickel-cadmium batteries), it also protects batteries against deep discharge and provides a real-time calculation of the remaining back-up time, a real-time measurements concerning the battery and a periodic battery test for monitoring battery efficiency and for programming preventive or corrective maintenance in the case of abnormal situations.

Certifications



The MASTERYS BC+ series is certified by TÜV SÜD with regard to product safety (EN 62040-1).



Seismic resistant The MASTERYS BC+ units have successfully passed severe tests to verify resistance to withstand Zone 4 seismic events.

Advantages



A tutoring app for a simplified installation

- > Augmented Reality technology
- > Guided workflow on your smartphone
- > Verification and validation by the Socomec Service Center



Uninterruptible Power Supplies

Three-phase UPS

MASTERYS MC

- 10 to 80 kVA
- Dual input mains
- Parallel configuration up to 6 units
- Internal batteries and external battery cabinets (option)
- Internal manual bypass
- EBS battery management system
- Net Vision
- LINK-UPS



MASTERYS GP

- Green Power 2.0 range
- 10 to 40 kVA/kW
- TÜV SÜD (product safety)
- 96% efficiency in VFI mode independently tested and verified
- Full-rated power: kW = kVA
- Parallel configuration up to 6 units
- Internal maintenance bypass
- EBS battery management system
- Net Vision
- LINK-UPS



MASTERYS GP4

- From 60 to 160 kVA
- IoT ready
- VFI efficiency 96.5%
- Output PF = 1
- Superior MTBF > 300,000 hrs (attested)
- Full performances up to 40 °C
- Parallelable up to 6 units (redundancy or power scalability)
- Distributed & Shared Battery
- Ready for Li-ion Battery
- 7" touch display
- Native RoHS compliance
- Seismic compliance
- Life extension service program
- RAL 7016



DELPHYS GP

- Green Power 2.0 range
- 160 to 1000 kVA/kW
- Attested by Bureau Veritas
- 96% efficiency in VFI mode independently tested and verified
- Up to 99% efficiency with Fast EcoMode
- Full-rated power: kW = kVA
- Parallel configuration up to 4 MW
- Distributed or centralized bypass
- Twin channel architecture with STS
- Distributed or shared battery
- Flywheel compatible
- CRM (Capacity Reinjection Management)
- EBS battery management system
- LINK-UPS



Fast EcoMode

- Automatic operating mode that optimizes the efficiency depending on the quality of the input voltage. When the input voltage is within the tolerance (value is settable), the load is supplied by the bypass (VFD mode) and the efficiency achieved is 99%.
- Ultra fast transfer time from bypass to inverter (2 ms) if the input voltage is out of tolerances and automatic transfer back to bypass when the input voltage is restored.
- Batteries are permanently maintained under charging, avoiding periodic restarts of the rectifier.
- Available both for single and parallel units.

Certifications



The MASTERYS GP4 series is certified by TÜV SÜD with regard to product safety (EN 62040-1).



Seismic resistant
The MASTERYS GP4 units have successfully passed severe tests to verify their resistance to withstand Zone 4 seismic events.

Advantages



A tutoring app for a simplified installation

- > Augmented Reality technology
- > Guided workflow on your smartphone
- > Verification and validation by the Socomec Service Center



Uninterruptible Power Supplies

Three-phase UPS

MODULYS GP

- Green Power 2.0 range
- 25 to 600 kVA / kW
- Fully modular system (UPS and batteries) with complete hot swap front-access
- Totally redundant design without any single point of failure
- Power module designed for superior robustness verified by an independent body (MTBF > 1,000,000 hr)
- Enhanced serviceability performance for concurrent maintenance
- Forever Young concept to avoid end-of-life criticality
- Module compatibility guarantee for 20+ years
- Up to 96.5 % efficiency in VFI mode
- MODULYS GP efficiency & performance are tested and verified by TÜV SÜD
- Full-rated power: kW = kVA
- LINK-UPS



GREEN 117 A - GREEN 157 A

MODULYS RM GP

- Green Power 2.0 range up to 4 x 25 kW
- Rack-mounted modular UPS system
- 2 compact sub-rack enclosure models
- Designed for easy and no-risk integration in 19" rack cabinets
- High power density and low weight
- Pre-cabled system for simplified connections
- Complete set of pre-engineered and pretested parts for easy customization
- Power module designed for superior robustness verified by an independent body (MTBF > 1,000,000 hr).
- Full-rated power: kW = kVA
- Up to 96.5 % efficiency in VFI mode
- MODULYS RM GP efficiency & performance are tested and verified by TÜV SÜD
- LINK-UPS



GAMME 562 A

DELPHYS Xtend GP

Green Power 2.0 range

- Real hot-scalable solution up to 2.4 MW by the addition of 200 kW modules
- Prewired system for easy power block docking
- Integrated coupling to simplify the In / Out switchboard
- 96 % efficiency in VFI mode independently tested and verified by Bureau Veritas
- Up to 99 % efficiency with Fast EcoMode
- Full-rated power: kW = kVA
- Distributed or centralized bypass
- Distributed or shared battery
- Adaptable disposition ("linear"-, "U"-, "L"-shaped)
- BCR (Battery Capacity Reinjection)
- EBS battery management system
- LINK-UPS



GREEN 156 A

Advantages

- > Ensures absolute business continuity
- > Aligns capacity to business demand
- > Optimises costs over the full life cycle

Certifications and attestations



Green Power 2.0 MODULYS GP is certified by TÜV SÜD with regard to product safety (EN 62040-1). Green Power 2.0 MODULYS GP efficiency & performance are tested and verified by TÜV SÜD



SERMA TECHNOLOGIES

Green Power 2.0 MODULYS GP power module MTBF is calculated and verified higher than 1,000,000 hours by SERMA TECHNOLOGIES (IEC 62380)



MODULYS GP has been tested by CESI in compliance with the standard test procedure for the seismic qualification of electrical cabinets. MODULYS GP has successfully passed severe tests to verify its resistance to withstand Zone 4 seismic events.



Advantages



Ready for Li-Ion battery

Uninterruptible Power Supplies

Three-phase UPS (continued)

MASTERYS IP+

- 10 to 80 kVA
- Designed to protect industrial processes
- TÜV SÜD (product safety)
- Compact solution with isolation transformer and integrated batteries
- Robust enclosure (2 mm thick heavy steel structure)
- Floor anchoring (to prevent tilting)
- Standard IP31 protection degree, dust and water splash resistant enclosure (IP52) with easy replaceable dust filters (option)
- Operation at temperature up to 50 °C
- Double EMC immunity
- Double overvoltage protection
- Net Vision
- LINK-UPS



MASTERYS IP

- 10 to 40 kVA
- Designed to protect industrial processes
- A compact solution with isolation transformer integrated into the UPS cabinet
- Full metallic enclosure (IP21 cabinet)
- Dual input mains
- Internal maintenance bypass
- Permanent isolation controller (CPI)
- EBS battery management system
- Net Vision
- LINK-UPS



DELPHYS MP Elite +

- 60 to 200 kVA
- Output power factor: 0.9
- Transformer-based
- Fault-tolerant architecture
- Parallel configuration up to 1.2 MVA
- Distributed or centralized bypass
- Twin-channel architecture with STS
- Flywheel compatible
- Advanced communication interfaces
- NET VISION
- LINK-UPS
- EBS battery management system



DELPHYS MX

- 250 to 900 kVA
- DELPHYS MX series is attested by Bureau Veritas
- Transformer-based
- Fault-tolerant architecture
- 93.5% efficiency (VFI mode, including the transformer)
- High power density
- Parallel configuration up to 5.4 MVA
- Tier 3 and Tier 4 compatible
- Distributed or centralized bypass
- Twin-channel architecture with STS
- Flywheel compatible
- EBS battery management system



EBS (Expert Battery System)

EBS - Expert Battery System - manages the battery charger responding to the working temperature to preserve battery life and reduce operating costs. Able to manage different types of batteries (sealed, open lead-acid and nickel-cadmium batteries), it also protects batteries against deep discharge and provides a real-time calculation of the remaining back-up time, a real-time measurements concerning the battery and a periodic battery test for monitoring battery efficiency and for programming preventive or corrective maintenance in the case of abnormal situations.

NET VISION

Professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

LINK-UPS

Remote monitoring service that connects your UPS to your Critical Power specialist 24/7.

Advantages



Our dedicated Expert Services for UPS

We offer services to ensure your UPS highest availability:

- > Commissioning
- > On-site intervention
- > Preventive maintenance visits
- > 24-hour call out and rapid on-site repairs
- > Maintenance packages
- > Training



www.socomec.co.in/ups-services_en

Static, electronic and automatic transfer systems

Static Transfer System

STATYS

- 32 to 1800 A
- 1/1 and 3/3
- Compact hot swap 19" rack system, cabinet and integrable chassis (OEM) solutions
- Suitable for all types of applications and power supply systems, electrical environment conditions, load to protect
- Easy installation and maintenance
- With or without neutral connection
- With or without neutral pole switching
- Complete separation of both sources and the related distribution systems
- Full internal redundant design and failure management
- Separation of main functions to prevent internal fault propagation
- Neutral loss detection on both sources
- Advanced communication interfaces



GAMME 381 A

To find out more

For more information about our Static, electronic and automatic transfer systems Static, electronic and automatic transfer systems, visit our website: www.socomec.co.in/en/sts



FLC0-UPL 106 A GB

Electronic Transfer System

IT SWITCH

- 16 to 20 A
- Single-phase
- 19" rack fixed (HA models) or swappable (HA-E models) system
- Changing of the preferred supply path without modifying the cabling
- Advanced transfer parameter controls
- Automatic controls and protection when switching the path
- Automatic restart configurability
- Transfer without source overlapping
- Synchronized and non-synchronized source management
- User-friendly operation



IT'S 030 C

Our dedicated Expert Services for STS

We offer services to ensure your STS highest availability:

- > Commissioning
- > On-site intervention
- > Preventive maintenance visits
- > 24-hour call out and rapid on-site repairs
- > Maintenance packages
- > Training



www.socomec.co.in/ups-services_en

Automatic Transfer System

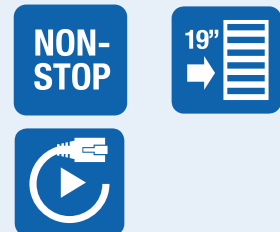
STATYS XS

- 16 and 32A
- Provides power supply redundancy to critical load
- Competitive alternative to redundant power supply at IT equipment level (dual corded)
- Easy to install and use (Plug and play)
- Ease of use - Intuitive operation
- Numerous outlets to connect IT equipment
- Easy integration in 19" rack
- Flexible connection capability for remote monitoring
- Maintenance Free



STATYS XS

Advantages



Certifications



Back-up storage

Back-up storage solutions

Power supply continuity is a vital function for every critical application. The availability of a quality power supply is ensured by a UPS system, while the emergency energy to provide during a power outage is stored using a backup storage system.

When the power fails, the UPS draws its power from the backup storage system until it is able to start and synchronize standby generators.

Socomec provides different backup storage solutions to meet every requirement for protecting critical applications from unplanned system outages:

- VRLA lead-acid batteries
- Open-vented lead-acid batteries
- NiCd batteries
- Lithium-Ion batteries - NEW
- Lithium-Ion capacitors - NEW
- Flywheel, dynamic energy storage system
- W-BMS, Wireless Battery Monitoring System - NEW



Lithium-Ion capacitor module.



Lithium-Ion capacitor cells.

Other solutions

RACK PDU - Power Distribution Unit

Zero-U PDU

- Metered or monitored Zero-U vertical PDU
- 1/1
- Installation of 'U space' not required
- Simplified electrical connections
- Redundant architecture by using two PDUs in the same rack cabinet
- Easy remote control, monitoring and supervision
- PDU VISION



iPDU

- Managed 1 U PDU
- 1/1
- Extremely compact solution (1U rack unit)
- Remote control of each socket
- 'Daisy chain' configuration up to 5 PDUs
- Extensive communication capability
- PDU VISION



PDU VISION

WEB/SNMP manager interface for the connection to the LAN network. The device - suitable for remote monitoring - can be integrated into the PDU.



Expert services

Enabling available, safe and efficient energy

Expert services

As specialist manufacturers in the field of low voltage electrical facilities for over 95 years, Socomec offers a wide range of value-added services, a major factor in ensuring the reliability of your equipment throughout its design life.

Take advantage of personalised support throughout your project and reach your energy objectives with confidence!

Preventive maintenance

- Inspections: mechanical, electrical, battery
- Dust removal/equipment cleaning
- Software updates
- Electronics testing
- Environmental checks
- Battery check
- Maintenance report



appli 724 a

Benefits

- > Helps reduce equipment malfunction
- > Optimises operating efficiency
- > Extends equipment lifetime
- > Improves system availability

Emergency service 24/7

- Specialist team of engineers on call 24/7
- Technical expertise on-site within 4 hours* guaranteed
- Remote monitoring and proactive troubleshooting
- Corrective maintenance with original spare parts
- 24/7 spare part stock availability with high priority shipment

* Please check the service coverage in your area. Site should be within 30 km from regional office, under natural environment and normal traffic condition.



appli 658 a

Benefits

- > Quality technical support
- > Fast and precise diagnostic
- > Real problem solving

UPS Rental

- Available up to 80 kVA
- Transport to customer site
- UPS commissioning
- Hot-line technical support
- Next working day repair service
- UPS decommissioning and removal
- Return transport



appli 789 B

Benefits

For guaranteed high quality, uninterrupted electrical energy - where and when you need it most - Socomec UPS rental is the ideal short-term critical power solution for rapid response deployment.

LINK-UPS remote monitoring

- LINK-UPS provides a permanent connection between any Socomec installed UPS and the nearest Socomec Service Centre
- Automatic anomaly detection
- Proactive remote diagnostics
- Optimised troubleshooting
- Regular analysis reports
- LINK-UPS keeps you updated about the operating status of your UPS, providing you with regular reports and technical recommendations for improving the quality of your system



Benefits

- > Continuous monitoring of your equipment's performance
- > Problem prevention
- > Reduced Mean Time to Repair
- > Increases system availability
- > Saves downtime costs

Replacement of consumables

- Original fans and capacitors and power supply PCB
- Fast delivery
- Knowledgeable technical support
- Safe and certified replacement procedure



appli 572 a

Benefits

- > Prevents UPS instability and malfunctions
- > Avoids risk of system breakdown
- > Saves downtime costs

Battery care

Advanced operations performed per single block:

- Impedance Test
- Temperature Measurement
- Thermal Image
- Voltage Measurement during discharge
- Torque settings (blocks in rack only)
- 24/7 remote watching by a specific Battery monitoring system



c v 167 a

Benefits

- > Maintains the battery back-up time
- > Avoids risk of UPS downtime
- > Optimises battery investment
- > Back-up time measurement: thanks to specific set of measurements and analysis, Socomec is able to provide you with an accurate back-up time of your battery system

Inspection and testing visit for transfer switches

- Manufacturer seal of approval
- Latest firmware updates
- Complete report including technical recommendations
- Declaration of conformity



appli 759 a

Benefits

- > All critical points will be secured and under control
- > Reduced risk of potential faults going undetected
- > Costly downtime and the risk of operating losses are cut

Thermal imaging

- Complete check-up of your low voltage installation
- Wide range of components can be analysed
- Identification of malfunctions that would not be possible through simple visual inspection



c v 142 a

Benefits

- > Increased equipment availability and reliability
- > Reduced downtime costs
- > Optimised service lifetime of equipment
- > Reliable estimation of expected remaining service life of consumables
- > Increased MTBF (Mean Time Between Failures)

Commissioning & on-site test

- Work environment inspection
- Electrical installation check (isolator switch, cabling, circuit breakers etc.)
- UPS internal and external check
- System power on and set up
- Operating test
- Load bank test (on request)



appli 531 a

Benefits

- > Commissioning performed with the best working standards
- > Compatibility with your work environment
- > Compliance with the various installation standards

Power quality audit

- Voltage variation
- Harmonic distortion
- Transient current
- Neutral and earth fault
- Unbalanced three-phase load
- Power factor correction



appli 731 a

Benefits

- > Detects recurring defects
- > Identifies disjunctions and dysfunctions
- > Anticipates deterioration of the installation
- > Extends service life of equipment
- > Improves system reliability

Socomec: our innovations supporting your energy performance

1 independent manufacturer

3,200 employees worldwide

10 % of sales revenue dedicated to R&D

400 experts dedicated to service provision

Your power management expert



POWER SWITCHING



POWER MONITORING



POWER CONVERSION



EXPERT SERVICES

The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

A worldwide presence

8 production sites

- France (x3)
- Italy
- Tunisia
- India
- China (x2)

27 subsidiaries

- Australia • Belgium • China • France
- Germany • India • Italy • Netherlands
- Poland • Romania • Singapore
- Slovenia • Spain • Switzerland • Thailand
- Tunisia • Turkey • UK • USA

80 countries

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