Catalog for contractors

Solutions for Buildings and Energy Management

se.com/contractors
# Solutions for buildings and energy management

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Solutions for Buildings and Energy Management
Solutions for Buildings and Energy Management

Pioneering the future of intelligent buildings and the IoT for shared customers

+2.5B
Urban population growth by 2050

Building digitization
x3 in 6 years

+60%
Electricity consumption planned for 2035

Schneider electric in a few words

Access to energy and digital is a basic human right. We empower all to make the most of their energy and resources, ensuring Life Is On everywhere, for everyone, at every moment.

We provide energy and automation digital solutions for efficiency and sustainability. We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure, and Industries.

We are committed to unleash the infinite possibilities of an open, global, innovative community that is passionate about our Meaningful Purpose, Inclusive and Empowered values.
Electrical distribution architecture in a building

As the global specialist in energy management and automation, we help contractors stay up to date with the swift evolution of markets, technologies, and knowledge. We provide solutions that are IoT-enabled, plug-and-play, open, inter-operable architectures and platforms, in buildings of all kinds.

Typical characteristics of a building

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Building specificity

Typically, alternate power sources are made up of one or more diesel or gas powered generators, sized to carry, at a minimum, any vital, critical, and emergency loads. Power is transferred from the main utility supply to the alternate power sources using automatic transfer switches (ATS) whenever the main utility supply is interrupted. A facility may have one or several independent EPS systems.

What buildings need

There are five primary infrastructures in buildings: Mechanical, Electrical, Information and Communications Technology, Security, and Services. Each division of infrastructure functions to bind the physical environment to precise outcomes; to provide safe, connected, efficient, sustainable, and reliable environments for occupant quality; and to ensure the financial viability of the organization. This is what we call EcoStruxure™.

Schneider Electric can help you to optimize a global architecture solution for buildings

- Configuration tools for quick and optimized quotation
- Getting the best quality product for the budget
- Quick installation systems and easier commissioning
- Easy to maintain equipment and added-value services
- Training on innovations that work and informed of market evolutions
A complete solution of power distribution management

Electrical installations shall comply with more than one set of regulations, issued by National Authorities or by recognized private bodies. Schneider Electric™ complies with these constraints with IEC standards on all the product (from design to installation).
Connection to MV network

Modular switchboard

Active plus
24/7 connected condition monitoring of your switchgear with local, remote, and cloud based connectivity for advanced services and smart alarms.

Connection to MV network

Modular switchboard up to 24 kV part of set series

An Air-Insulated modular switchboard that guarantees protection high-reliability for your underground secondary distribution, flexible and easy to install and operate.

Characteristics
• Containing fixed or withdrawable circuit breaker, using vacuum breaking technology, switch-disconnector and contactor
• Rated current 400, 630 and 1250 A
• Short-circuit current up to 25 kA
• Internal arc withstand: 12.5 kA/1s and 16 kA/1s. IAC: A-FL and A-FLR. Additional internal arc withstand for 20 kA/1s, IAC A-FL and A-FLR upwards exhaust.

Functions
Circuit breakers, Fuse-switch, Metering, Switch Connectivity


Learn more about this connected solution

ASSOCIATED OFFERS

Easergy TH110
Battery free and wireless sensors perform the continuous thermal monitoring of all the critical connections made on field like:
• Cable connections
• Bus bar connections
• Withdrawable CB connections
It allows also the monitoring of any power connections of indoor installation like MV Transformers connections or LV Switchgears.

More information on se.com

PowerLogic PM5000
Compact, versatile power meters for energy cost and basic network and asset management applications.
• Simple integration into larger systems and solutions
• Easy setup with intuitive HMI
• Cost effective, can meet the majority of system requirements.

More information on se.com

Easergy P3
Easy-to-use protective relays for Medium Voltage applications designed for unparalleled efficiency and greater connectivity.
From overcurrent to advanced protection, with Arc detection and Ethernet communication including IEC 61850.

More information on se.com
Connection to MV network

Transformers

Active plus

24/7 connected condition monitoring of your transformer with local, remote, and cloud based connectivity for advanced services and smart alarms.

Cloud connectivity
QR Code
Nearby Monitoring and Control
SMS Alarming
Substation Monitoring

Transformers

Connection to MV network

MV
LV

Trihal

Cast resin distribution transformer up to 15 MVA - 36 kV
Part of Set Series

Safer and environmental friendly solution for Medium Voltage and Electrical Distribution networks

Characteristics
• Rated power from 100 kVA up to 15 MVA
• Rated insulation level up to 36 kV
• Rated frequency: 50 or 60 Hz
• MV windings encapsulated in cast resin
• Pre-impregnated LV windings
• Thermal insulation Class F
• E3, C3, F1 certified
• Deep temperature storage up to -60°C
• Resistance to high level of humidity > 95 %
• Naturally cooled (AN) or air forced (AF) on request
• Indoor installation or outdoor on request (with enclosure)
• Enclosure with protection up to IP44

Connectivity
Thermal sensor TH110, Thermal App

Learn more about this connected solution

ASSOCIATED OFFERS

Easergy TH110

Battery free and wireless sensors perform the continuous thermal monitoring of all the critical connections.
It also allows the monitoring of any power connections of indoor installation like MV Transformers connections or LV Switchgears.

More information on se.com

Product references

EcoStruxure™ Facility Expert

More information on se.com

Guaranteed against fire hazards (self-extinguishing)
Totally insensitive to harsh environments (pollution or condensation)
Easy and quick to install with a minimum maintenance

Transformers

Thermal Monitoring
Environmental Monitoring
LV Windings Monitoring

EcoStruxure Distribution

Part of Set Series
Safer and environmental friendly solution for Medium Voltage and Electrical Distribution networks

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Solutions for Buildings and Energy Management

ASSOCIATED OFFERS

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More information on se.com

Guaranteed against fire hazards (self-extinguishing)
Totally insensitive to harsh environments (pollution or condensation)
Easy and quick to install with a minimum maintenance
Main LV power distribution

Power distribution switchboard

Reliable
Durable low voltage switchboards that deliver intelligent power distribution and motor control.

Versatile
Mining, Minerals, Metals & Cement industries
Chemicals industries
Power & Water industries
Energy production and distribution
Commercial buildings
Data centers infrastructure
Healthcare infrastructure
Airport
Railways and subway infrastructure
Oil & Gas industries

High dependability low voltage switchboards for power distribution and motor control
Part of Set Series

Description
High performance
- Power feeder up to 6300 A
- Motor control up to 250 kW
- Main busbar up to 7000 A
- Rated voltage up to 690 V

iPMCC by BlokSet, the smart and advanced TVDA solutions
- Optimize motor performance, energy efficiency, and fault prevention
- Local/remote real-time access, and automatic restarting

Compliance and certification
- Type tested as per IEC 61439-1 and -2
- Protection and safety
  - Isolated live parts up to IP00D
  - Thermal monitoring
  - Type 2 coordination
- Internal arc protection
  - Compliant as per IEC TR 61641 edition 3, up to 100 kA / 0.4 s

Reliability in harsh environments
- Protection degrees up to IP54
- SO2/H2S resistant versions
- 2G resistant versions

Optimized architecture and footprint
- Compatibility with medium voltage equipment and Canalis power busways
- Rear/ front access, top/ bottom connection, double-front access
- Withdrawable, disconnectable, and fixed functional units
- Linergy horizontal and vertical busbars.

Product references

ASSOCIATED OFFERS

Compact, versatile power meters for energy cost and basic network and asset management applications.
- Simple integration into larger systems and solutions
- Easy setup with intuitive HMI
- Cost effective, can meet the majority of system requirements.

ASSOCIATED OFFERS

More information on se.com

MasterPact MTZ
Circuit breakers up to 6300 A embedding advanced digital technologies
Connect your electrical switchboard to any building and energy management system

Molded case circuit breakers up to 630 A designed to meet your needs from thermal-magnetic to advanced Micrologic Trip units with earth leakage protection

Class 1 wireless communication energy sensor that monitors and measures energy and power in real time
Designed for new or existing installations in the residential, small business, and commercial building segments, PowerTag sends alerts in the event of an electrical anomaly

PowerLogic PM500 series
Compact, versatile power meters for energy cost and basic network and asset management applications

More information on se.com
Main LV power distribution

Power distribution switchboard

Efficient
Smart grid-ready. Offering advanced protection, fault protection and seamless integration with energy management and control systems.

Low voltage switchboards for power distribution and motor control up to 7300 A
Part of Set Series

Description
High dependability low voltage switchboards for power distribution and motor control

Characteristics
High performance
- Power feeder up to 6300 A
- Motor control up to 315 kW
- Main busbar up to 7300 A
- Rated voltage up to 690 V

IP MCC by Okken, the smart and advanced TVDA solutions
- Optimize motor performance, energy efficiency, and fault prevention
- Local remote real-time access, and automatic restarting

Compliance and certification
- Type tested as per IEC 61439-1 and -2
- DNV, RINA, and BV marine certification
- DEP Shell approval

Protection and safety
- Closed door racking drawers
- Isolated live parts up to IPxxD
- Thermal monitoring (Extherm system)
- Type 2 coordination

Internal arc protection
- Compliant as per IEC TR 61641 edition 3, up to 100 kA / 0.5 s
- Arc flash detection (VAMP systems)
- Arc-free zones

Reliability in harsh environments
- Protection degrees up to IP54
- SO2/H2S resistant versions
- 5G and 2.7G resistant versions

Optimized architecture and footprint
- Compatibility with medium voltage equipment and Canalis power busways
- Rear/ front access, top/ bottom connection, double-front access
- Withdrawable, disconnectable, and fixed functional units.

Okken switchboard solutions contribute to:
- Safety of persons, as well as reliability and continuity of service of the electrical installation
- Return on investment by helping make electrical networks reliable, while improving energy efficiency
- Performance and intelligence for safety, reliability, and energy efficiency
- Worldwide services and localized support: training, maintenance, troubleshooting, etc.

Green Premium™ equipment

ASSOCIATED OFFERS

MasterPact MTZ
Circuit breakers up to 6300 A embedding advanced digital technologies
- Connect your electrical switchboard to any building and energy management system

ComPact NSX
Molded case circuit breakers up to 630 A designed to meet your needs from thermal-magnetic to advanced Micrologic trip units with earth leakage protection

Allistart 22 Soft Starters
All-in-one Soft Starters for electrical motors from 4 to 400 kW
- Designed for most infrastructure and industrial applications for better in-class protection function and ease of use

TelSys U
The most compact motor starter. It covers main motor applications (direct on line, reversers, drive protection) from 0.15 kW to 32 A ensuring a breaking capacity of 50 kW with total coordination (according to IEC 60947-6-2)

PowerLogic PM5000
Compact, versatile power meters for energy cost and basic network and asset management applications.
- Simple integration into larger systems and solutions
- Easy setup with intuitive HMI
- Cost effective, can meet the majority of system requirements

Product references

Okken

Mining, Minerals, Metals & Cement industries

Oil & Gas

Railway, and subway infrastructure

Airport

Water & Wastewater industry

Healthcare infrastructure

Data centers infrastructure

Commercial buildings

Chemical industries

Oil & Gas & Cement industries

Energy production and distribution

More information on se.com
Main LV power distribution

Power distribution switchboard up to 630 A

Optimized and upgradeable

With this complete, prefabricated, and tested system, it’s easy to upgrade your installation and still maintain performance levels.

- The wall-mounted and floor-standing enclosures combine easily with switchboards already in service.
- Devices can be replaced or added at any time.

Efficient installation and connection

Work on-site, easy connection on-site, whatever the cable cross-section or installation location.

Easy maintenance throughout the switchboard: easy and direct access to devices, in a switchboard in service.

PrismaSeT G

Power distribution for wall-mounted or floor-standing switchboards up to 630 A supplied Part of SeT Series

Description

The optimized, tested and IEC compliant solution, for low voltage electrical distribution and control switchboards.

A solution based on more than 30 years of experience in low voltage switchboards. Integrating Schneider Electric switchgear offerings and ensuring electrical, mechanical and communication functions complete consistency.

Characteristics

PrismaSeT G: electrical distribution switchboard solutions, IEC 61439-1&2 compliant, sold in kit form.

Wall-mounted and floor-standing enclosures for electrical switchboards up to 630 A, Ic 50 kA

Seismic performances: 2.5 g without additional accessories (IEC 60068-2-57 standard), ensuring that the switchboard will continue operating as intended even in severe earthquake conditions.

Specifications:

- Metal enclosures: steel metal sheet with electrophoresis treatment + hot-polymerized polyester epoxy powder
- Color white RAL 9003
- Degree of protection IP30 to IP4X and IP55
- Degree of protection against mechanical impacts: from IK07 to IK10

ASSOCIATED OFFERS

Acti9™

The final level of protection in the electrical distribution in homes and buildings, allowing our customers to feel safe everywhere at any moment.

Acti9 SmartLink

A solution based on more than 30 years of experience in low voltage switchboards. Integrating Schneider Electric switchgear offerings and ensuring electrical, mechanical and communication functions complete consistency.

PowerTag

A compact and easy-to-install Class 1 wireless communication energy sensor that monitors and measures energy and power in real time.

PowerTag® is a compact and easy-to-install Class 1 wireless communication energy sensor that monitors and measures energy and power in real time.

Acti9 SmartLink Modbus and Acti9 SmartLink SI

B are rapid to install gateways that allow you to grow your energy monitoring and control of final loads.

Interfac and gateway for Ethernet and Modbus-5, communication for circuit breakers.

Enertit/X™ IFE

The optimized, tested and IEC compliant solution, for low voltage electrical distribution and control switchboards.

Efficient installation and still give reliability electrical switchboards up to 630 A, Ic 50 kA

Seismic performances: 2.5 g without additional accessories (IEC 60068-2-57 standard), ensuring that the switchboard will continue operating as intended even in severe earthquake conditions.

Specifications:

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- Color white RAL 9003
- Degree of protection IP30 to IP4X and IP55
- Degree of protection against mechanical impacts: from IK07 to IK10

Electric switchboards: easy and direct access to devices, in a switchboard in service.
Main LV power distribution

Power distribution switchboard up to 4000 A

Efficiency

With a new design and built-in connectivity, PrismaSeT P is the simplest and most affordable connected switchboard. Fast commissioning makes installs more efficient, and real-time smart alarms optimize maintenance and improve uptime.

PrismaSeT P

Power distribution for floor-standing switchboards, up to 4000 A supplied

Part of Set Series

Description

PrismaSeT P functional system, in conformity with IEC 61439-1&2 standards, can be used for all types of low voltage electrical switchboards up to 4000 A. It integrates Schneider Electric offerings, ensuring electrical, mechanical and communication features.

Characteristics

Cubicles for electrical switchboards up to 4000 A.

High performance distribution systems with Linergy busbars and quick connectors.

Complete set of modular functional units tested and IEC 61439-1&2 compliant low voltage electrical distribution switchboards.

Specifications:

- Low voltage switchboards, Icw 100 kA rms/1s, IP30, IP31, IP55, IK10
- Distribution system: horizontal and vertical busbars in a lateral compartment or at the rear of the cubicles
- Cubicles with plain or glass door tested up to 2.5 g according to the IEC 60068-3-3 standard, ensuring that the switchboard will keep on operating as intended, even during severe earthquake conditions (up to 7 on the Richter scale)
- Metal frames and panels: steel metal sheet with cataphoresis treatment with hot-polymerized polyester epoxy powder color RAL900.

Product references

ASSOCIATED OFFERS

Connectable offers used with PrismaSeT P:
- Acti9 MCBs
- Acti9 RCDs
- Acti9 SPDs
- Acti 9 Active
- HeaTag
- Acti9 SmartLink
- Enerac’X JIE
- ComX 200

Completed with:

MasterPact™ MTZ

ComPact NSX

PowerTag®

Linergy

Linergy Power busbars for all switchboard architectures: centralized distribution, insulated system, staged distribution in duct.

More information on se.com
Main LV power distribution

Universal enclosures for indoor applications

Enabled plus

From our small boxes to large suitable floor-standing enclosures, with the Spacial range you can find the perfect fit for your applications. Our extensive range of easy-to-use accessories helps you save time during your projects. Select between steel or stainless steel to better suit the installation environment. In our stainless-steel offer you can find the optimal solution where cleanliness is required, or for highly corrosive environments.

Get your enclosure ready to use, with P&S personalized Offer

"Personalize" means changing the characteristics of the standard product so that it adapts even more to the specific needs, but also to ensure factory pre-assemblies. To personalize is therefore to bring more added value to our products by mounting an accessory or by making cut-outs for the installation of cable glands, grid, fan, etc. Also special colors and finishes are possible.

The personalization of the enclosure can start from very simple adaptation to complex with co-engineered solutions.

Spacial enclosures SBM - S3D/CRN - SF/SM

Wall-Mounting

S3D & CRN
The steel enclosure with the greatest range of available dimensions on the market!

- Useful life
  - Quality of the welding and the painting

- Component security
  - Water and dust tightness and impact resistance
  - EMC and ATEX offer

- Increased choice
  - Large range of universal dimensions
  - Application offer with special dimensions

- Easy maintenance
  - Removable hinges
  - 1 lock system from the height of 600 mm
  - 3-point lock from the height of 600 mm

- Personnel safety
  - Earthing studs welded to the body and door

Floor-Standing

SF
Adapts to all your needs. Assembled delivery for a ready-to-use solution.

- Practical
  - Door rails, which can be height-adjustable and used for fixing cables
  - Can be installed adaptation profile in the front and rear of the enclosure and the universal 40-mm cross rail (1 row) in the rear provides the same fixing points as the modular enclosure.

SM
Multi-purpose IP55 compact steel enclosure for fast and simple solutions.

- Protection
  - Double-door enclosures with inner lock on the left door

- Comfort
  - Handle with sturdy design for easily activating the locking system, allowing the installation of any shape insert and any cylindrical combination key

- Fast
  - The double system of cut-outs on the structure allows most accessories to be installed using self-tapping TORX T30 M6 screws or nuts

Industrial Box

SBM
Simplicity, ergonomics, and versatility, it’s all in the box.

- Ergonomics
  - Cover opening and accessory mounting with just a screwdriver

- Sturdy and good ingress protection
  - Mechanical protection rating up to IK10
  - Ingress protection rating up to IP66

- Modularity
  - 28 sizes available
Main LV power distribution

Universal enclosures for outdoor applications

Enabled plus
Whether the equipment you want to protect is exposed to direct sunlight, rain, saline mist, extreme temperatures, or chemicals. Thalassa enclosures are the best option.

Full insulation improves people’s safety not only in the industry but also in streets, parks, and other public places accessible to people.

Polyester is equally impressive in any indoor environment where electric and electronic components are constantly exposed to dust, oils, splash, or impacts.

Thalassa enclosures TBS/TBP - PLS - PLM - PLA

Insulating industrial boxes:

**TBS/TBP**
- ABS for conventional applications (IK07) with the usual constraints.
- Polycarbonate for enhanced impact resistance (IK08) and for outdoor applications or applications directly exposed to UV.
- Polycarbonate certified UL.
- IP66 rating for all ranges.
- Protection against electrical impacts Class II.

**PLS boxes:**
- Polyester body with 5 options of covers (in polycarbonate or polyester).
- IP66.
- Gasket between body and cover.
- IK09.
- Insulation Class II.

Increased choice
- Large range of universal dimensions.
- Application offer with special dimensions.

Monobloc wall-mounting enclosure:

**PLM**
- Made of polyester reinforced with fiberglass, moulded by hot compression.
- Degree of protection IP66.
- Impact resistant IK 10 for plain doors and IK 08 for glazed doors. Able to machine with no corrosion.
- UL certification and NEMA classification 4x and 13 for the polyester wall-mounting enclosures.
- Total insulation to produce class II units.
- Complies with RoHS and REACH Directives.

**PLAZ version**
- Open bottom to be mounted directly on the floor or on a plinth.

**PLAT version**
- Ventilation:
  - Open top part with canopy allowing for ventilation.
  - Big open bottom.

**PLAZT version**
- Easy:
  - Door opening to 180°.

Floor-standing enclosure:

**PLA**
- The floor-standing enclosures are made from polyester reinforced with fiberglass, moulded by hot compression.
- High-resistance to corrosion in harsh environments, it maintains its mechanical and insulation properties.

**Product references**

- IEC standard
- Compliance with international standards and certifications
- Useful life: Quality of the welding and the painting
- Component security: Water and dust tightness and impact resistance
- Increased choice: Large range of universal dimensions, Application offer with special dimensions

**Service life**
- High resistance to corrosion in harsh environments, maintaining its mechanical properties and insulation.
- Easy:
  - Door easily reversible by turning it over.
  - Opening to 120° or 180°.
  - Easy machining with no corrosion.
  - Lightness.
  - Polyamide hinge pin, easily removable and captive.
- Smart:
  - Notches for easy fixing of DIN rails.
  - Grid pattern on the rear of the door for marking the machining operations.
Uninterruptible power system

Easy UPS series

- **Easy loop test**
  Verifies UPS performance before you connect your load, without the need for a load bank.

- **Easy to install fast**
  Quickly roll the compact and lightweight UPS into position.

- **Intuitive user interface**
  The intuitive graphical user interface allows for easy system configuration.

- **ECO mode**
  Operating mode that bypasses unused electrical components in good power conditions to achieve high operating efficiency without sacrificing protection.

- **Front-access servicing**
  Simplifies installation and UPS maintenance while minimizing space deployment.

- **Straightforward installation**
  Including the input, output, and bypass breakers, as well as the Emergency Power Off (EPO) switch, simplifies installation planning and speeds up deployment.

- **Easy Loop test**
  Verifies UPS performance before you connect your load, without the need for a load bank.

- **Aesthetic design**
  Blends well into your installation environment.

- **Optical SNMP card**
  When you purchase the SNMP card, you can monitor and manage UPS status remotely through the UPS Web interface or through EcoStruxure IT’s cloud-based and on-premise software suites.

- **Replaceable dust filters**
  Protect the UPS in harsh environments.

- **Parallel capability**
  Multiple units can be placed in parallel to meet power capacity and redundancy requirements.

- **Wide input voltage window**
  Saves your battery power for when you really need it - during power cuts!

- **More information on se.com**

Easy UPS 3S/3M/3L

10 to 600 kVA 3 phase UPS for small and medium data centers and other business critical applications

**Part of Easy Series**

**Description**

3 phase Uninterruptible Power System. Designed for fast and easy installation, this EcoStruxure-ready UPS features a wide operating temperature window and strong overload protection, all in a compact and lightweight footprint.

**Characteristics**

**Normal AC supply input**

- 10 to 40 kVA (Internal or External batteries)
- 3:1 (10 to 30 kVA) 3:3 (10 to 600 kVA)
- Input voltage (V): 380 / 400 / 415 V (Three-phase + Neutral)
- Frequency (Hz): 45 – 65 Hz
- Input power factor: >0.99
- THDI:
  - linear load,
  - 5% non-linear load

**Output**

- Nominal output voltage (V):
  - 3:1 – 220 / 230 / 240 V
  - 3:3 – 380 / 400 / 415 V
- Efficiency: Double conversion mode up to 96%
- Efficiency: ECO mode up to 99%
- Overload capacity in normal operation 130% for 10 minutes and 130-150% for one minute
- Output voltage tolerance ±1%

**Connectivity**

- Communication interface RS232, RS485, USB, dry contact, Modbus TCP/IP, optional network card
- Control panel Multi-function LCD, status and display console.

**ASSOCIATED OFFERS**

- **Easy UPS BVS (1 Phase)**
- **Easy UPS 1 Phase On Line SRVS**
- **Easy UPS Line Interactive SMVS**

**More information on se.com**
Uninterruptible power system

Galaxy™ V series

- Well suited for a wide range of applications
  - Edge, small, and medium data centers, and computer rooms
  - Manufacturing facilities
  - Telecommunication
  - Commercial buildings
  - Healthcare
  - Transportation

- New patented hybrid technology
  - Provides up to 97% efficiency in double conversion mode.
  - Electricity savings in full protection mode at every load level.

- Compact design optimized footprint
  - High-density technology and full front access make Galaxy VS a footprint saver well suited for confined spaces.

- Battery flexibility, including Lithium-ion batteries
  - Increase availability and reduce TCO with long-life, intelligent energy storage.

Galaxy™ VS/VM/VX

- 10 to 1500 kVA 3 phase UPS for small and medium data centers and other business critical applications
  - Part of Galaxy V Series

Description

3 phase Uninterruptible Power System

Designed for fast and easy installation, this EcoStruxure-ready UPS features a wide operating temperature window and strong overload protection, all in a compact and lightweight footprint.

Characteristics

- Normal AC supply input
  - 10 to 1500 kVA
  - 3:3
  - Input voltage (V): 380 / 400 / 415 V (Three-phase + Neutral)
  - Frequency (Hz): 40 – 70 Hz
  - Input power factor: >0.99
  - THDI: < 3% at full linear load
- Output
  - Nominal output voltage (V): 3:3 – 380/400/415 V
  - Efficiency: Double conversion mode up to 96%
  - Efficiency: ECOnversion mode up to 99%
  - Overload capacity in normal operation 125% for 10 minutes and 150% for one minute
  - Output voltage tolerance ±1%
  - Lithium capable

Connectivity

Communication interface RS485, USB, Dry contact, Modbus TCP/IP (SNMP optional)

Five inch touchscreen LCD, status, and display console.

- *under 30°C degrees

ASSOCIATED OFFERS

Smart-UPS™ On-Line

- Industry-leading power factor maximizing UPS density. Rackmount and tower SRT 2.2 kVA – 10 kVA

Standard features

- Best-in-class power density
  - More real power in watts, 0.9 pf on 2.2 kVA – 5 kVA. Unity on 6 kVA – 10 kVA units.
  - High-efficiency “green mode”
    - Achieves 99 percent efficiency, which saves utility and cooling costs without compromising performance or reliability.

Intelligent battery management

- Temperature compensated charging extends life and advanced algorithms recommend replacement date. The UPS can inform user which batteries need to be replaced and auto detect when additional battery packs are added.

Built-in energy meter

- Measures energy use and displays UPS efficiency in various modes of operation for easy energy tracking.

More information on se.com
Work faster and smarter with our software and tools

Our complete suite of software and tools for contractors gives you advantages with:

More productivity, reduce your effort and save time to bid on more projects. Keep flexibility to adapt customer-specific requirements and last minute changes.

Always get relevant information to respond quickly to your customers demands, differentiate through your business efficiency.

Gain more autonomy and efficiency through smart reliable tools and product data that accelerate, simplify, and secure your projects.

Maintain a close relationship with your customers with the support of a convenient commercial and technical supplier.

Grow your business expertise to respond as quickly as possible with an accurate and differentiated offer in a constant evolving market.

Search and select

EcoStruxure Design & Build suite of software to optimize your solution, keeping flexibility and projects on track.

• Selectors simplifying search, comparison, and selection of product.
• Online creation of automated documentation and sharing.
• Dedicated Communities and Portal with business and technical support and privileged information.

Design and quote

Simplify search and product selection with a business oriented online eCatalog and advanced functionalities:

• Selectors simplifying search, comparison, and selection of product.
• Online creation of automated documentation and sharing.
• Dedicated Communities and Portal with business and technical support and privileged information.

EcoStruxure Design & Build suite of software to optimize your solution, keeping flexibility and projects on track.

• BIM & CAD library to help your design during project creation.
• Collaboration Tools and Cloud to share documentation with all project stakeholders.
• Configure and get fast accurate quotation to quickly answer your customers.
• Generate Bills of Material and get all the technical documents you need.
• Take into account last-minute changes and order with up-to-date prices and availability.
• Track your order up to delivery and keep your customers informed.

Install, test, and commission

EcoStruxure™ Power Commissioning to install, test, and commission equipment on time, respecting specifications and budget.

• Intelligent software that helps you set up, test, and commission electrical products and connected devices.
• Video instructions help you to better understand and save time during product installation and commissioning.

Operate and maintain

EcoStruxure™ Facility Expert provides your customers and end-users with cloud-based software and digital log book to simplify collaboration and sharing anytime; anywhere.

EcoStruxure™ Power Device app single to set-up easily, monitor, and operate your MV and LV connected devices from your mobile.

Discover all our software and tools dedicated to our website www.se.com

More information on next page

exchange.se.com
Software and tools for contractors

**Search and select**

- **Product Selector tool**
  - More information on [se.com](http://se.com)
  - Identify and find the right product you need in few clicks by simply selecting the technical features.

- **EcoStruxure Motor Control Configurator**
  - More information on [se.com](http://se.com)
  - Build your complete motor control solution for protection and control of your motors in 3 easy steps.

- **mySchneider app**
  - More information on [se.com](http://se.com)
  - Connect to Schneider Electric’s digital hub. Access our catalog online and offline, personalize your service, and talk to our experts directly with the mySchneider app.

**Design and quote**

- **EcoStruxure™ Power Design - Ecodial**
  - More information on [se.com](http://se.com)
  - User-friendly software that helps you optimize your equipment and costs, while managing operating constraints during the electrical installation design phase of your project.

- **EcoStruxure™ Power Build Rapsody**
  - More information on [se.com](http://se.com)
  - Makes Prisma switchboard configuration simple, so now you can work more efficiently and offer your customers a superior return on investment.

- **EcoStruxure™ Power Build – Contractors**
  - More information on [se.com](http://se.com)
  - An all-in-one online tool for medium voltage Contractors and Distributors, allows you to easily and quickly configure and quote MV equipment for faster ordering and simplifying execution.

**Install, test, and commission**

- **EcoStruxure™ Power Commission**
  - More information on [se.com](http://se.com)
  - Intelligent software that helps you set up, test, and commission the electrical products and systems in your switchboards with efficiency and ease. It also allows you to generate a dedicated QR code for the electrical panel to enable digital collaboration with contractors and facility managers by sharing important documentation and initiating maintenance plans through the digital logbook functionality in EcoStruxure™ Facility Expert.

**Operate and maintain**

- **EcoStruxure™ Facility Expert**
  - More information on [se.com](http://se.com)
  - From construction to operation, EcoStruxure Facility Expert’s digital logbook is the must-have asset management software and app for all phases of a building’s lifecycle.

- **EcoStruxure™ Power Device App**
  - More information on [se.com](http://se.com)
  - With a single app, get all necessary information and take control of your MV and LV devices from the safest distance to ensure operations and efficient maintenance.

**More information on**

- **CAD Library**
  - More information on [se.com](http://se.com)
  - Explore our comprehensive database of ready-to-use for free CAD files for all your design projects.

- **BIM Library**
  - More information on [se.com](http://se.com)
  - Access our building information modeling library to support your building project needs and simply exchanges with your project partners.

- **CanBRASS**
  - More information on [se.com](http://se.com)
  - Design and costing tool for Canalis™ busbar trunking runs. The software proposes three types of quotations.

- **Industrial Secure Power Selector**
  - More information on [se.com](http://se.com)
  - Help your save time to find products and compatible accessories.
EcoXpert power services partner

Get recognized expertise in MV and LV connected installation and be ready to support your customers with new services.

As part of our EcoXpert™ program, you are recognized by your customers as the specialist in your domain and you are regularly upskilled to service the latest MV and LV systems and connected devices. As our selected partner, you must act as an extension of the Schneider Electric sales force to promote, resell, and execute Schneider Electric Life Cycle Services to end-users and make easy and quick quotation for your customers.

You are trained to provide your customers with recommendations and best in class services to ensure long lasting life duration of the complete installation.

You are identified by your customer as a trusted advisor on how to enhance power availability and prevent unexpected failures of electrical installation.

Certified
Authorized to resell Schneider Electric’s offer.

• Sale of modernization, maintenance, and spare parts services.
• All service offers are performed by Schneider Electric’s field service representatives.

Master
EcoXpert Power Services partners are trained and qualified to perform specific Schneider Electric Services offers.

• Perform preventive and corrective maintenance on Low Voltage and Medium Voltage with Schneider Electric tools and procedures.
• Supply spare parts kits for Low Voltage, Medium Voltage, and protection relays equipment.
• Provide and install modernization solutions (ECOFIT™) with type tested and pre-engineered solutions from manufacturer.
• Benefit from Remote Expertise technology to be supported on site by Schneider Electric.
• Upgrade installation with sensors and connectivity on MV and LV installation.
• Provide thermal monitoring and asset management digital services.

Discover more services we share with our partners
Connected products and additional offers

MasterPact MTZ
Circuit breakers up to 6300 A embedding advanced digital technologies
Part of Pact Series
The new worldwide benchmark for high current circuit breakers

Building on the legendary performance and reliability of the MasterPact™ range, MasterPact MTZ circuit breakers are Future Ready. Incorporating the latest digital and communication technologies, they are key components within Schneider Electric’s Smart Panels, contributing to smart operation, power uptime, and energy efficiency. MasterPact MTZ circuit breakers connect your electrical switchboard to any building and energy management system.

A simple smart phone can act as the main HMI to monitor and control MasterPact MTZ, giving you maximum convenience and ease of management, even in the event of a power outage. The MicroLogic X control units are customizable with additional digital modules available.

The standardization of electrical switchboards remains the same with MasterPact MTZ circuit breakers keeping the same size frames, standardized auxiliaries, and accessories, providing peace of mind for choice, installation, retrofit, and operation. Flexible and easy to install and operate.

Characteristics
- Rated current: 800 to 6300 A
- Breaking capacity: 42 to 150 kA at 220 / 415 V AC
- Voltage rating: up to 1000 V AC
- 3 physical sizes:
  - MasterPact MTZ1 from 630 to 1600 A;
  - MasterPact MTZ2 from 800 to 4000 A;
  - MasterPact MTZ3 from 4000 to 6300 A
- Draw out and fixed mount
- 3 pole and 4 pole construction
- Optimized selection of 4 advanced MicroLogic X control units integrating current, voltage, power and energy metering, enabling earth leakage protection, and customizable with digital modules for advanced protection, measurement, energy management and network analysis functions
- Built-in Class 1 accuracy active power and energy measurement
- Switch disconnectors version available
- Optimized range of field-installable auxiliaries and accessories
- Different offers complying with international standards: IEC 60947, UL489, ANSI / UL1066
- CCC, EAC and other local certifications
- Compliance with specifications of marine classification companies: Bureau Veritas, Lloyd’s Register of Shipping, Det Norske Veritas, etc.

Optimized safety
- Faultless protection
- Complete selectivity and coordination (Type 1 & 2)
- High resistance to environmental stresses
- Integrated monitoring for energy efficiency

DIGITAL MODULE

Micrologic™ X control units


Measurement: Energy per phase, Individual harmonics analysis.

Maintenance & Diagnostics: Power restoration assistant, MasterPact operation assistant, Wave form capture on trip event, Modbus legacy dataset, IEC 61850 for MasterPact MTZ.
Connected products

ComPacT NSX

Molded case circuit breakers up to 630 A
Part of PacT Series
The new worldwide benchmark for high current circuit breakers

ComPacT NSX is a full range of high performance molded case circuit breakers (MCCB) in two frame sizes designed to meet your needs from thermal-magnetic to advanced MicroLogic trip units. This range features integrated earth leakage protection.

Characteristics
• Flexible installation: any position; switchboard, or wall-mounted
• Nominal current: 16 to 630 A
• 9 breaking capacities for the 2 sizes of circuit breakers:
  - up to 250 A: 25, 36, 50, 70, 100, 150, 200 kA at 415 V
  - up to 630 A: 36, 50, 70, 100, 150, 200 kA at 415 V
  - both size of circuit breakers with 75 and 100 kA at 690 V
• 1, 2, 3, and 4 pole versions available
• Large range of electronic and thermal-magnetic protections
• Advanced trip unit with integrated power metering: $I, U, P, E, THD, f, CosPhi$
• Interchangeable trip-units to upgrade your panel with smarter functions
• Plug and ready wiring system and communicating accessories
• Wealth of options for auxiliaries and accessories (field installable)
• Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)

PowerLogic PM5000 series

High-end cost management capabilities in an affordable power meter
Part of PowerLogic™
Compact, versatile power meters for energy cost and basic network and asset management applications

PowerLogic PM5000 series power meters offer high-end cost management capabilities in a straightforward metering platform. With power quality capabilities, residual current monitoring, and MID conformance (PM5000, 5600, and 5700 range), this combination of features merges with industry-leading measurement accuracy to match the requirements of energy cost and asset management applications in buildings and industry.

The meter range is ideal for multi-tenant commercial markets, multi-unit residential buildings, industrial facilities, and – with DNP3.0 protocol support – utilities and heavy industry.

Function
• Metering and sub-metering
  • Class 0.5S IEC 62053-22
  • Class 0.2S (PM55xx)
  • IEC 62053-22
  • Class 1/2 IEC 62053-24
  • IEC 61557-12

Application
• Panel instrumentation: $I, U, F, P, Q, S, PF, E$ (Power demand and current demand)
• Sub-billing and cost allocation
• Power availability and Harmonics / Compliance monitoring

Characteristics
• Measurement accuracy (active energy): Class 0.2S (PM55xx) Class 0.5S
• Installation: Flush and DIN 96 mm x 96 mm
• Voltage measurement:
  - 20-400 V L-N 20-690 V L-L (PM55xx)
  - 20-277 V L-N 35-690 V L-L (PM51/53xx)
• Current measurement: external CT
• Communication ports: 2
• Inputs / Outputs:
  • 1DO for PM51xx
  • 4/6 I/O PM53xx based on model
  • 6 I/O for PM55xx
• Memory capacity:
  - 256 kb
  - 1.1 MB (PM55xx)
Connected products

Acti9 MCBs - RCDs - SPDs

<table>
<thead>
<tr>
<th>MCBs</th>
<th>RCDs</th>
<th>SPDs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td><strong>Characteristics</strong></td>
<td><strong>Benefits</strong></td>
</tr>
<tr>
<td>Our new high performance modular system for final distribution, connected with suitable auxiliaries.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
</tr>
<tr>
<td>- The new Acti9 iC40 system is fully-fledged member of the Acti9 family and offers multiple benefits for those who design, install, operate, and maintain electrical panels for final distribution.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<td>- Neutral standard of efficiency, Visibility, Connectivity with the new Acti9 iC40 system.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<tr>
<td>- Acti9 iC40 is an extensive range of DIN rail mounted, phase-neutral miniature circuit breakers, specifically designed to connect every type of protection device under the same comb busbar, no matter the number of poles. The new system offers exclusive features to provide absolute protection to circuits against short-circuit currents and overload currents in your electrical installation.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<td>- Suitable for isolation in compliance with IEC 60958-1 and/or IEC 60958-2.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
</tr>
<tr>
<td>- Available in 1P-N, 3P and 3P+N for circuits up to 40 A.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<tr>
<td>- Breaking capacity at 4900 A, 6000 A and 10 000 A.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<td>- Wide range of trip current curves available A, B, C and D</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<td>- Class 2 insulation for optimal protection of operations and unqualified persons.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<td>- Wide range of operating temperatures -25 °C to +70 °C.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
<td>- Maintain and upgrade your final distribution panels that have been designed and built. Firstly match the layout of the electrical diagram ensuring the exact and efficient supply of power.</td>
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<tr>
<td>- Shunt trip feature with Acti9-CB1i in regards to aesthetics, form factor, range of auxiliary VisiTrip offers a visible fault indicator for fast and optimized on-site servicing.</td>
<td>- Achieve full coordination with Acti9 and Multi MCBs with Ultra RCDs, you can rely on. Providing better continuity of service as well as offering a complete environmentally friendly option, the DIN rail RCCB will also give you additional protection against any direct contact.</td>
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<td>- VisiTrip, offers a visible fault indicator for fast and optimized on-site servicing.</td>
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</table>

Acti9 SPDs

<table>
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<tr>
<th>Type 9</th>
<th>Characteristics</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Designed to work with multiple digital networks, the easy-to-install Surge Protection Devices provide much needed protection to electrical distribution switchboards from lightning strikes.</td>
<td>- These Surge arresters are available either as monobloc or with pluggable cartridges.</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
<tr>
<td>- <em>Acti9 PRD</em>*: Provides protection to both analogue and digital series-mounted telephone line off: Fully compatible with ADSL (including ADSL) max: 18 kA.</td>
<td>- These ranges cover all the different earthing system: multiple-pole or single-pole devices to be assembled.</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
<tr>
<td>- <em>Acti9 PRF</em>*: 125 A and Acti9 PRFD 250 A are also Type 2 rated (4/30 μs) to protect the electrical equipment by firmly clipping the voltage surge</td>
<td>- They come with output contacts for remote transfer of end-of-life information (for Acti9 SmartLink or other input/output devices).</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
<tr>
<td>- These Surge arresters are available either as monobloc or with pluggable cartridges.</td>
<td>- They are suitable for 230/400 V 50/60 Hz networks, with earthing system TT, TN-S, TN-C.</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
<tr>
<td>- These Surge arresters are available either as monobloc or with pluggable cartridges.</td>
<td>- Acti9 PRFD1 Master is also suitable for 440 V IT earthing system.</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
<tr>
<td>- Acti9 PRF1 63 A and Acti9 PRFD 250 A are also Type 2 rated (4/30 μs) to protect the electrical equipment by firmly clipping the voltage surge</td>
<td>- Type 9</td>
<td>- Serves sensitive devices from surge in event of lightning strike or transient overvoltage.</td>
</tr>
</tbody>
</table>
Connected products

PowerTag

PowerTag® is a compact and easy-to-install Class 1 wireless communication energy sensor that monitors and measures energy and power in real time. Designed for new or existing installations in the residential, small business, and commercial building segments, PowerTag sends alerts in the event of an electrical anomaly, so now, home owners can enjoy peace of mind and business owners can count on operational efficiency and uptime.

**Characteristics**
- A class 1 energy sensor: Its values are measured in accordance with the IEC 61557-12 standard, to provide real-time data on:
  - Phase-to-neutral and phase-to-phase voltage
  - Current per phase
  - Active / Reactive Power, total, and per phase
  - Apparent Power total
  - Power factor

**Functions**
- Real-time alarms are sent directly to smartphone or email – in the event of voltage loss or overload trips.
- A complete range of energy sensors for loads up to a rating of 630 A.
- Easy commissioning: PowerTag is automatically detected by the gateway during commissioning.
- A single gateway can communicate with up to 100 PowerTag units.

Acti9 Smartlink

Monitor and control your business electrical equipment via your supervision system

Acti9 Smartlink Modbus and Acti9 Smartlink SI B are rapid to install gateways that allow you to grow your energy monitoring and control of final loads.

**Functions**
- Status and alarms from circuit breakers
- Remote control of contactors
- Remote monitoring of measured values
- DIN rail fitting: no additional space needed
- Simple, rapid installation with ready-to-connect communication module
- All-in-one cables with pluggable connectors
- IEC 61131 compliant (PLC I/O modules)
- 24 V DC power supply

**Connectivity**
- Acti9 Smartlink SI B:
  - 7 digital input/output channels and 2 analog inputs
  - Connection with up to 20 wireless devices
  - RS485 Modbus Master communication (up to 8 Acti9 Smartlink Modbus or other Modbus slaves)

- Acti9 Smartlink Modbus:
  - 11 digital input/output channels
  - RS 485 Modbus Slave communication
Connected products

**Enerlin’X IFE**
Ethernet interface for circuit breakers
Part of EcoStruxure

Enerlin’X™ IFE interfaces enables Masterpact™, PowerPact™, and Compact circuit breakers to be connected to an Ethernet or Modbus-SL network.

**Characteristics**
- Communication network type:
  - Ethernet, Modbus TCP/IP, HTTP, FTP, SMTP, NTP, SNMP

- **IP degree of protection:**
  - Connectors: IP2x
  - Other parts: IP3x

- **Ambient air temperature for:**
  - Operation: -20...70 °C
  - Storage: -40...85 °C

- **Pollution degree:** 3

- **Power consumption:** 120 mA

- **Connections - terminals:** RJ45 connector

- **Product certifications:** GOST / CULus / FCC / CE

- **Standards:** UL 60950 / UL 508 / IEC 60947-6-2 / IEC 60950

- **Dimensions:**
  - Height: 105 mm
  - Width: 72 mm
  - Depth: 71 mm

- **Net weight:** 182.5 g

**Environment**
- **IP degree of protection:**
  - Connectors: IP2x
  - Other parts: IP3x

- **Ambient air temperature for:**
  - Operation: -20...70 °C
  - Storage: -40...85 °C

- **Pollution degree:** 3

**Com’X 210**
Energy server - data logger
Part of EcoStruxure

Comprehensive views of energy consumption, enabling energy-efficiency actions.

**Characteristics**
- Communication network type:
  - Ethernet, Modbus TCP/IP to Modbus

- **Number of inputs:** 6 digital / 2 analog

- **Discrete input current:** 60 mA at 12 V DC

- **Sensor power supply:** 24 V DC at 50 mA

- **Analogue input type:** Pt 1000 / 4...20 mA / 0...10 V / Pt 100

- **Communication gateway:** Ethernet TCP/IP to Modbus

- **Local backup:** Configuration parameters, data storage in case of communication failure.

- **Quick fit:** into electrical switchboards thanks to DIN rail clipping and profile.

- **Product certifications:** C-Tick / CE

- **Memory capacity:** 128 MB RAM or 256 MB flash

- **Dimensions:**
  - Depth: 109 mm
  - Height: 69 mm
  - Width: 144 mm

- **Net weight:** 450 g

- **Local signaling:**
  - LED: for power supply
  - LED: for status (OPR)
  - LED: for communication (Modbus)
  - LED: for communication (Ethernet)

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  - LED: for communication (WiFi)
  - LED: for IO
Connected products

Easergy™ P3 Protection Relays

Compact protective relays for standard MV applications
Part of PowerLogic™
From overcurrent to advanced protection, with Arc detection and Ethernet communication including IEC® 61850

Connectivity
• 9 communication protocols in one device with Serial and Ethernet connectivity
• IEC 61850 and redundancy protocols (RSTP, PRP)
• Increased amount of inputs and outputs for more possibilities
• EcoStruxure Power Device App

Application

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Connectivity
• Simplify operation and maintenance with the innovative EcoStruxure Power Device app for mobile devices
• Better connectivity. Simple remote operation and 8 communication protocols in a single box design, including PRP and IEC 61850
• Unparalleled efficiency. Save precious time with simplified configuration, testing, installation, and maintenance.

Easy UPS BVS (1 Phase)

300 to 1000 VA 1 phase UPS
For our home and small office customers, Schneider Electric delivers a new category of UPSs designed for the essential power protection needs, even in the most unstable power conditions: introducing Easy UPS 1 Ph BVS Series. Easy UPS 1 Ph BVS Series is a versatile, high quality UPS developed to handle inconsistent power conditions.

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Connected products

**Easy UPS 1 Phase On Line SRVS**

1 to 10 KVA 1 phase ON Line UPS

For small to medium businesses, Easy UPS 1 Ph On Line provides essential power protection for unstable power conditions, ensuring consistent and reliable connectivity at the most critical moments.

**Characteristics**

- **On-Line UPS - Tower for Small and Medium Office / Business**
  - **UPS model**
    - SRS1KI
    - SRS2KI
    - SRS3KI
  - **Power Capacity**
    - 800 W / 1000 VA
    - 1600 W / 2000 VA
    - 2400 W / 3000 VA
  - **Full Load Runtime (min)**
    - 4
  - **DB-9 RS-232**
  - **Supports Windows**
    - ® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and Mac
  - **Intelligente slot**
  - **Mini Slot**
  - **Control panel & audible alarms**
  - **Multi function LCD status and control console**
  - **Surge energy rating (joules)**
    - 600 J
  - **Physical and Warranty**
    - **Dimension D x W x H (mm)**
      - 288 x 145 x 223
      - 400 x 145 x 238
      - 425 x 190 x 336
    - **Weight (kgs)**
      - 9.3
      - 16.8
      - 26.8
  - **Regulatory**
    - CE
  - **Input Connection**
    - IEC C14
  - **Output Connections**
    - IEC C13

**Flexible design for both high and low powered devices**
- Stay connected for hours, not minutes
- Automatic Voltage Regulation (AVR)
- Reliable surge protection
- Wall mounting sockets
- Wide outlet spacing
- Compact size
- Intelligent off-mode charging
- Cold start function
- Easy to use
- Battery self diagnosis

**Easy UPS 1Ph line interactive SMVS**

750 to 3000 VA 1 phase line interactive UPS

Easy UPS Line-Interactive Sinewave SMVS is a versatile uninterruptable power supply developed to handle a wide voltage range in regions with inconsistent power conditions while also delivering quality that millions of professionals trust around the world.

**Characteristics**

- **Line - interactive UPS - Tower (network card not available)**
  - **UPS model**
    - SMVS750CAI
    - SMVS1000CAI
    - SMVS1500CAI
    - SMVS2000CAI
    - SMVS3000CAI
  - **Power Capacity**
    - 525 W / 750 VA
    - 700 W / 1000 VA
    - 1050 W / 1500 VA
    - 1400 W / 2000 VA
    - 2100 W / 3000 VA
  - **Typical recharge time**
    - 4-6 hours recover to 90% capacity
  - **RS-232**
    - Supports Windows 2000/2003/XP/Vista/2008/7, Linux, Unix and Mac
  - **Intelligente slot**
  - **Mini Slot**
  - **Dry contact**
    - Multi function LCD status and control console
  - **LCD display**
    - USB support
  - **Physical and Warranty**
    - **Dimension D x W x H (mm)**
      - 416 x 160 x 220
      - 455 x 180 x 240
  - **Weight (kgs)**
    - 13.6
    - 13.6
    - 17.8
    - 23.5
    - 25.2
  - **Regulatory**
    - CE
  - **Input Connection**
    - IEC C14
  - **Output Connections**
    - IEC C13

LCD Display: intuitive interface provides comprehensive status information at a glance
- Pure Sine-Wave Output: provides optimum device compatibility when on battery
- Automatic Voltage Regulation
- Communication Ports: USB and serial ports for UPS management
- Generous number of outlets: all receptacles are surge and UPS output protected
- Rugged Sheet Metal Construction: rigidly holds and protects critical electrical components
- Battery connector: convenient way to disconnect battery for transport
- Safety-agency approved: ensures the product has been tested and approved to national standards
The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services, and Solutions.

**CO₂ and P&L impact through… Resource Performance**
Green Premium brings improved resource efficiency throughout an asset’s lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO₂ emissions.

**Cost of ownership optimization through… Circular Performance**
We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

**Peace of mind through… Well-Being Performance**
Green Premium products are RoHS and REACh compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

**Improved sales through… Differentiation**
Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations, we can support our customers in meeting their sustainability goals such as green building certifications.

*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)*