

An innovative specialist

supporting your energy performance



ENERGY
SPECIALIST
SINCE 1922

 **socomec**
Innovative Power Solutions

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A "smart grid" partner

Backed by its 45 years of experience in energy conversion, Socomec is a select partner in a European consortium tasked with demonstrating that the production and storage of electricity on urban low voltage networks is a concrete possibility with extensive use of intermittent PV energy input.



APPLI 037 A



A leading manufacturer of measuring equipment

Following on from the groundbreaking DIRIS multifunction meter - a benchmark reference for over 20 years - Socomec is once again stepping up its technological lead with the launch of its latest game changer: DIRIS Digiware, the multi-circuit plug & play measurement and monitoring system for electrical installations.

This unique system offers easy integration, an installation time reduced by 75% and real savings in terms of both implementation and energy costs.

APPLI 509 A



The benchmark reference in power control and safety

With a global presence in the market for on-load breaking, changeover switching and fuse-based protection, Socomec designs products that are certified according to the three major international standards: IEC, UL and CCC.

Socomec is the inventor of the moulded-case load break switch and also originated the first motorised compact changeover switch. The company has a specialist offering that comprises a wide range of standard and custom products and services suitable for use in the most demanding applications.

APPLI 400 A



At the core of data centers

With their outstanding energy-efficiency, scalability and ease of integration, Socomec's solutions meet head-on the high stakes involved in data centers: adaptation to rapidly changing requirements (power, security, etc.) and technologies (the impact of Cloud Computing), the obligation to reduce energy bills and the need to demonstrate a company's green credentials.

Our equipment is already installed in thousands of data centers around the world. The expertise and know-how of the Socomec teams provide data center managers with critical advice for optimising their hub's operations.

3,500 m²
of test platforms

One of the leading
independent power testing
labs in Europe



50,000
on-site interventions
per year

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

SO innovative!

Since its foundation more than 90 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.

1 independent manufacturer



4 areas of expertise

10%
of turnover invested
in R&D

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



Ensuring the availability of high-quality power for critical applications

Thanks to the company's wide range of continuously evolving products, solutions and services, SOCOMEC are experts in the three essential technologies that can ensure the high availability of supply to critical facilities and buildings i.e.:

- uninterruptible power supplies (UPS) that provide high-quality power and reduce distortion and interruptions to the mains supply due to their power storage back-up system,
- changeover of high availability sources to transfer supply to an operational back-up source,
- continuous monitoring of installation facilities to prevent failures and reduce operating losses.



High-availability and power quality solutions for business continuity up to 5.4 MVA



Static Transfer Systems for implementing a 'high availability' architecture



BHC: permanent battery health check and monitoring system

SO innovative!

- 1968: First UPS launched in France
- 1987: First Static Transfer System (STS)
- 1990: Distributed parallel architecture and first UPS range with integrated IGBT technology
- 2000: First modular, scalable, redundant UPS
- 2007: High-efficiency UPS in VFI mode (96%)
- 2012: First complete UPS range up to 4 MW with power factor 1

Your adapted services

- Consultancy, design and project management
- On-site commissioning and auditing to maximise the power quality of your installation
- Assistance in scheduled and preventive maintenance
- 24/7 technical support and remote monitoring service
- UPS rental service



Managing power and protecting people, equipment and installations

SOCOMEC's expertise in this domain is unquestionable; the company is an undisputed leader in power switching and changeover functions and has been a specialist manufacturer of electrical equipment since 1922. SOCOMEC has always promoted the benefits of fuses for both personal and equipment safety.

In addition, it has become a major player in cutting-edge technology such as the monitoring and detection of insulation defects. SOCOMEC guarantees solutions and services which are both relevant and efficient.



Compact manual, automatic or remote-control changeover switches from 40 to 3200 A



Load break switches for local isolation, power distribution or machine applications from 16 to 5000 A



Customised products, complete systems and dedicated solutions in enclosures

SO innovative!

- 1948: First range of "blade type" switches
- 1974: First compact moulded case load break switch
- 1988: First motorised changeover range
- 1991: Fully modular and universal fuse-combination switch: NF, DIN, BS, UL, etc.
- 2003: First fully integrated Automatic Transfer Switch
- 2013: New generation of universal PV switches: IEC, UL, CCC

Your adapted services

- Pre-sales consultancy
- On-site commissioning
- Technical support and training
- Maintenance contracts for securing the performance and continuity of your electrical network
- An advanced laboratory for testing, qualifying and certifying products and systems (equipped enclosures)
- Certification by independent external bodies
- Infrared thermal imaging



Guaranteeing the safety and durability of photovoltaic (PV) facilities

As experts in the solar energy equipment field, SOCOMEC has all the specialist know-how for implementing key strategic functions in on-grid and off-grid PV facilities, including:

- safety and high performance of equipment specially designed to cut the DC current under all circumstances,
- increased reliability of DC installations via preventive solutions against insulation degradation and electric arcs,
- control of high-output energy conversion to transform all the energy produced by the solar panels into energy that will be used locally or re-injected into the public network,
- stabilisation of the low-voltage network and energy storing for the electrification of rural areas.



Ultra compact switch disconnectors for on-load breaking and isolation up to 1500 VDC, from 25 to 3200A, plus PV panels junction box



Bidirectional inverter and energy storage for MV and LV networks



Hybrid power supply solution for autonomous installations up to 1.2 MVA.

SO innovative!

- 2009: First range of PV inverters up to 100 kW
- 2010: First modular hot swappable PV inverter with dynamic power control system for solar park applications
- 2011: Solar power system in shelter/container up to 2 MVA
- 2012: First 3 kW solar inverter with integrated AC/DC protection enclosure
- 2013: First integrated Hybrid System solution and first Power Conversion System with storage solution

Your adapted services

- Power quality audits
- Infrared thermal imaging
- Maintenance services
- 24/7 remote monitoring and engineering support



Improving the energy performance of buildings and installations

SOCOMEK solutions, ranging from sensors to the wide choice of innovative, modular software packages, are driven by experts in energy efficiency. They meet the essential requirements of managers or operators of tertiary, industrial or local authority buildings, and make it possible to:

- measure power consumption, identify sources of excess consumption, and raise occupant awareness,
- limit reactive energy and prevent associated tariff penalties,
- use the best tariffs, check supplier invoicing and accurately distribute energy bills amongst consumer entities.



Scalable multifunction measurement units, active and reactive energy meters with communication protocols and multi-utility meters



Multi-circuit plug & play measurement and monitoring system for electrical installations



Energy management software packages, from web server to EMS (Energy Management System) software

SO innovative!

- 1993: DIRIS, the first digital multi-measurement device
- 2000: First LCD multi-function meter with upgrading via addition of plug and play modules
- 2001: First energy meter with current and voltage connections using the same cables
- 2005: Development of an ASIC energy metering component
- 2009: Network analyser with graphic display and internal communication network (CAN Bus)
- 2012: Energy management software (EMS) using web technology

Your adapted services

- Energy diagnosis
- Analysis and optimisation of the installation's energy quality
- Designing and sizing a solution adapted to your environment
- Installation and commissioning handled by experts
- Customised training

Socomec worldwide

IN EUROPE

BELGIUM
FRANCE
GERMANY
ITALY
NETHERLANDS
POLAND
PORTUGAL

ROMANIA
RUSSIA
SLOVENIA
SPAIN
TURKEY
UNITED KINGDOM

IN ASIA PACIFIC

AUSTRALIA
CHINA
INDIA
SINGAPORE
THAILAND
VIETNAM

IN MIDDLE EAST

UNITED ARAB EMIRATES

IN AMERICA

USA, CANADA & MEXICO

OTHER COUNTRIES

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YOUR DISTRIBUTOR



ENERGY
SPECIALIST
1922

socomec
Innovative Power Solutions

Your energy, our expertise

SMART BUILDINGS

Reducing your energy bills and energy dependency

COUNTIS E energy meter and DIRIS A multifunction meter (PMD)

SUNSYS PV inverter

VERTELIS SUITE energy management software packages

ATYS automatic and remote-controlled changeover switches

SUNSYS PCS[®] energy converter and energy storage system

HEAVY INDUSTRY

Controlling and securing your energy

DELPHYS MX UPS

DIRIS N network analyser

Components for distribution enclosure with FUSERBLOC fuse-combination switches

Safety enclosure with switch disconnector for standard and explosive environment

POWER PLANTS

Securing the piloting of your high-security installations and installations with seismic constraints

SHARYS IP rectifier

PHASYS DC/AC converter

UPS and other customised products

Safety enclosure with load-break switch for normal and explosive environments

NAVAL SHIPS

Energy conversion in environments with harsh restrictions

SHARYS IP rectifier

PHASYS DC/AC converter

UPS and other customised products

DATA CENTERS

Meeting the challenge of the availability and performance of your energy

DIRIS BCMS 720 branch circuit monitoring system

Green Power 2.0 UPS and STATYS static transfer system

ATYS automatic and remote-controlled changeover switches

TRANSPORT

Securing the continuity of your installations

ATS Bypass "zero outage" solution

DELPHYS MX UPS

DIRIS A multifunction meter (PMD)

SHOPPING CENTERS

Assuring your business continuity and visitor safety

COUNTIS E energy meter and multi-utility pulse concentrator

ATYS M automatic and remote-controlled modular changeover switch

SUNSYS PV inverter

MASTERYS EM and DELPHYS EM power supplies for emergency systems

VERTELIS SUITE energy management software packages

MEDICAL FACILITIES

Assuring patient safety and the energy performance of your hospital

Green Power 2.0 UPS

ATYS automatic and remote-controlled changeover switches

DIRIS A multifunction meter (PMD)

INDUSTRY

Ensuring the competitiveness of your site

MASTERYS IP+ UPS for harsh industrial environments

VERTELIS SUITE energy management software packages

Components for distribution enclosure with FUSERBLOC fuse-combination switches

COSYS PFC Power Factor Correction system

RENEWABLE ENERGY

Guaranteeing the performance, security and durability of your photovoltaic facilities

SUNSYS HPS Hybrid Power System

SUNSYS PCS[®] Power Conversion System and Storage

Load break switch for SIRCO PV photovoltaic applications

PV string enclosure combiner box

PUBLIC DISTRIBUTION AND SMART GRID

Helping you to meet the challenge of energy demand and response

SUNSYS PCS[®] Power Conversion System and Storage

TIPi low-voltage feeder pillar with DIRIS multi-function meter

Auxiliary unit with ATYS changeover switch

SIRCO and SIDER load break switches

DIRIS A multifunction meters (PMD) and high-precision 0.2 s current transformers

