

## Rack & ICT networking: customised solutions

Socomec UPS is becoming a driving force in the Networking ICT field as it can provide complete energy solutions inside an IT rack cabinet. These are solutions that range over several areas and include the control of UPS energy quality, distribution improvements (PDU), the possibility of building redundant architectures using static switches (STS), and environmental monitoring with a device (EMD) that controls various important system quantities.

### The Netys range has been updated

Netys, the Socomec UPS single-phase range dedicated to ICT that comprises various types of products tailored to specific needs, has recently been updated. Furthermore, manuals for all Netys products are now on CD in 10 languages.

**PE.** The PE range (previously executed on 400, 600, 800 and 1000 VA products) has been further extended to become a 1400 VA product (plus a 2000 VA product designed only for the APAC markets). In order to meet market requirements, the 400 VA model has also been extended to 600 VA. The user can therefore choose between two 600 VA products, one with a USB port and one without.

The 1000 VA and 1400 VA (and 2000 VA) products in the PE range have an LCD display to check the operational status of the UPS. The chassis is made of plastic and not metal, even on models at the high end of the range, achieving a more aesthetically pleasing effect overall. PE is made in compliance with recycling legislation (ROHS). The manual is supplied on CD complete with all shutdown software (Univision).

**PR.** The previous product, which was already compact, light and easy to handle, has been joined by a 1U rack product (4.4 cm) with 1000 and 1500 VA power, all boasting high power density which is an important feature in applications of this kind. Both models have a slot for inserting the network card and programmable relay card. These, and all other models in the PR series, have RS232 and USB ports, in line with current market developments in technology.

All mechanical components for rack cabinet installation are found inside the package, including brackets and telescopic guides for removal.

The battery is replaceable from the front without disconnecting the load.

All PR models are compatible with the monitoring and shutdown software (Univision PRO and JNC).

### Accessories

The range of solutions aimed at improving installation and system control in this sector, is evidence of Socomec UPS's commitment to addressing the issues that ICT customers come up against. Socomec UPS is now offering two innovative designs: a PDU (Power Distribution Unit) rack and an environmental monitoring device (EMD).

**PDU Rack.** The PDU (Power Distribution Unit) Rack helps customers to save space and makes installation easier, as electrical distribution organisation inside the rack is a top priority. That which previously involved improvised multiple adaptors can now be achieved in a more orderly fashion and with improved operation, by using this smart system that distributes energy inside the rack cabinet. It is easy to install (mechanical supports are found inside the packing) and should be placed vertically in areas with no IT devices. It is precisely due to this feature of taking up minimum space that the PDU has also been called Vertical Zero-U. The two models, with 28 and 39 sockets, are both IEC (IT standard). The 28-socket model has single-phase input, while the 39-socket model has three-phase input and single-phase distribution; both can be powered by a UPS or by 2 UPSs and one STS.

It is possible to create two parallel distribution lines (Dual Cord) with one powered by a UPS and one by another UPS, thus creating redundancy. There are also two segments in the 28-socket model and three in the 39-socket model. Therefore it is possible to operate with selectivity, favouring the power supply of one segment over another, should it be necessary.

A display measures the power supply parameters of the PDU. The graphical display representation can be turned (from the top downwards) depending on how it is installed, without having to physically perform any manual turning operations.

The panel shows three LEDs that indicate various segment alerts (green for minor alerts, red for more important alerts). It is also possible to control and manage PDU operation via a LAN. Mechanical brackets for universal fixing and plastic clamps (safe locked connection) are provided inside the package, to avoid the accidental removal of device powered sockets.

**EMD.** The environmental monitoring device, which is only compatible with Netys RT, can be installed inside the rack cabinet. It is designed to control two parameters, humidity and temperature, and four clean contacts enable physical or mechanical control (safety, water, fire and smoke). The status of all parameters can be remotely monitored via a specific web page and by configuring trip thresholds if necessary, with alert notification sent by email. Using EMD with appropriate magnetic contacts on the walls, it is also possible to check for possible situations where the cabinet has been opened without cause. The device can be wall-mounted with a magnetic support or installed on rack doors using special coupling.

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## The SOCOMEC Group - an overview

SOCOMEK is an independent industrial group, specialising in the availability, control and safety of low voltage electrical energy for industry and the service sector.

Founded in 1922, the company bases its development on two complementary industrial activities:

- Electrical Switching and Protection Systems (*switches, fuse switches, changeover switches, cutout switches, electronic monitoring and protection, enclosures, cabinets, etc.*);
- Uninterruptible Power Supply Systems (*inverters, load transfer modules, rectifier/chargers, harmonic compensators, 400 Hz converters, etc.*).

SOCOMEK is a leader and specialist in its markets.

With 2500 personnel in 21 subsidiaries worldwide, SOCOMEC has complete control over the design, production and marketing of its products.

Nine industrial sites (4 in France, 1 in Italy, 1 in Tunisia, 1 in India, 2 in China) operate using the Group's primary areas of technological expertise, guaranteeing consistent quality of production and adherence to deadlines.

In 2009, the SOCOMEC Group achieved a turnover of 310 million euros;

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