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NEWSLETTER

A way to stay in contact

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Knowing voltage outages mode

The availability of electricity is something we often do not think about and which we almost never worry about. Yet many of our daily activities rely on it and all depend on the supply of electricity.

A power outage can cause serious disruption and whoever is responsible for keeping these activities operational should have a backup plan. When it comes to electrical protection, the first thing to know is what are the most common power issues and their frequency, because this will influence the choice of solutions that will be adopted to minimize problems.

There are various types of voltage interruption but three are the main ones, depending on the duration and effect of the interruption.

Transient error: lasts only a few milliseconds. Power is restored automatically once the error is cleared and often has little or no effect on the powered equipment.

Brownout: long-term lowering of the mains supply that can last for hours or even several days. The load continues to be powered but with a voltage lower than normal and, sometimes, below the safety threshold.

Blackout: a complete loss of power that lasts from milliseconds to several hours or more. This is the most serious form of interruption that can occur because the load is no longer powered.

Our cities live on electricity and without the supply from the electricity grid, there would be big problems. A loss of power can result in loss of data, interruption of basic services, decreased productivity and, consequently, economic losses.

Often you are not prepared for the problems caused by power outages and just as often you are not aware of the actual costs and the impact they can have on your operations.

With an uninterruptible power supply (UPS) installed, critical equipment will be kept up and running in the event of a power failure and will help to minimize disruption to manufacturing or service. The next decision will then choose how much autonomy time the UPS will have to guarantee in the event of a power failure. To do this, Elsist is at your complete disposal, with its team, in suggesting the most effective solution according to specific needs. Do not leave your equipment at the mercy of events!

Elsist to provide its UPS at San Raffaele Hospital

Elsist has been selected to supply its UPS to a clinic that is part of the well-known San Raffaele hospital in Milan.
With the collaboration of its distributor Barcella Elettroforniture, Elsist has installed a three-phase modular system of its Nautilus series at 120kVA and 60 minutes autonomy for the protection of a surgery room.

"We are happy to contribute with our products to the protection of sensitive devices of this important hospital group - says Elvis Clusaz, Chief Operating Officer of Naicon - the fact that we have been selected because our products meet the requirements for critical applications is for us a source of great satisfaction."

The first order of UPS from Romania

The new Romanian partner PTS SYSTEM SOLUTIONS has commissioned the first stock of NEMO 2.0 series UPS to start the Elsist products promotion activity on its territory.

"We are highly motivated to start this cooperation with PTS SYSTEMS SOLUTIONS, which we hope will be profitable for both parties - says Bruno Montrasio, Export manager of Elsist - The Romanian market is certainly of interest, thanks also to the presence of numerous IT companies, a market segment in which Elsist already has considerable success with its products, thanks to the good quality / price ratio.

Elsist products range for emergency power supplies

The term CPSS (Central Power Supply System) or more commonly in italian, even if not entirely correct, "soccorritore" is commonly referred to an UPS that can power security equipment, such as safety lighting equipment, electrical systems for fire-alarm systems, paging systems and safety signaling systems, fume extraction systems, carbon monoxide signaling systems or specific safety systems for particular buildings such as in high-risk areas.
When an uninterruptible power supply is used to power the security systems mentioned above, it must comply, in addition to the requirements of the IEC/EN 62040 standard, with the additional requirements of the EN50171 standard. The main characteristics that differentiate a CPSS from a normal UPS are:
- High overload capacity
- High battery charging current
- Protection against battery polarity inversion and against complete discharge
- Batteries with expected life> 10 years

Elsist is also able to supply these products in its series of single-phase and three-phase products: MISSION, POLARIS and TRI-ONE.
More info on: www.naicon.com

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