

ContainerPower Energy Solutions

Does an outdoor power supply require a control system



Overview

The outdoor power supply is composed of a control board, battery pack, inverter, and BMS system. It can convert DC power into AC power for other electrical appliances through the inverter. What is an outdoor Uninterruptible Power Supply?

An outdoor Uninterruptible Power Supply is a power solution designed for critical applications where it's essential that equipment stays running in harsh outdoor environments and significant temperature variations, where an ordinary UPS would fail. Trust TSi Power for these applications.

What is a regulated power supply?

Regulated power supplies are not affected by the above and therefore have a stable, maintained output voltage. These are the types of power supply that you want in your access control systems. The output is steady, and you know that it is the right output voltage for each product/component within the system.

Do I need a power supply for my access control system?

When designing an access control system, it is important to make sure that the power supply is not overloaded. The built in power supply of the P4 range of controllers is capable of providing power for most standard applications. However, there may be situations where additional power supplies are required.

How do I choose the right power supply product?

Selecting the right power supply product requires a calculation of the products total amperage of all the items of access control that you are connecting to the power supply at the correct voltage. All access control and electric locking products should state what voltage and current (mA) it requires to operate correctly.

What is a non regulated power supply?

Non-regulated power supplies can provide a DC output voltage that is non-constant. These types of unregulated power supplies are affected by variations in high voltage mains power surges, temperature changes and changes in the load current, which cause the output voltage to fluctuate.

Do access control systems need a battery backup?

Most power supplies used in access control systems require battery backup in case of a mains failure power cut as systems are required to work 24/7. As such, the majority of boxed power supplies designed for access control solutions are supplied with a battery backup output. Encased PSUs have room inside of the case to install a backup battery.

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