Office energy storage suva

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Investment in your future: Heavy Duty UPS equipped with Lithium Battery Bank also known as Battery Energy Storage Solution (BESS), is an investment in your future. This system can help you save money, be prepared for emergencies and increase the value of your establishment.

How it works: The Energy Storage Solution with Lithium Battery is a simple and easy-to-use system that connects to your home"s electrical system. Energy is stored in the lithium battery bank. Then, when you need it, the stored energy can be used to power your establishment.

The integrated BMS ensures optimal battery performance, safety, and longevity by controlling each cell equalization.

It has protection for controlling the Lithium batteries Overload, Short circuit, Low battery, and High battery control. In Lithium batteries, the Battery Management System (BMS) can enter into sleep mode to conserve energy. This helps prolong the battery’s lifespan by minimizing unnecessary power discharge.

Maintenance in the normal Inverter/UPS having the Lead Acid batteries is a big headache as the regular battery water topping is required, also creating a security hazard in today"s world.

The ESS with Lithium-ion Battery is designed to require No maintenance at all - No water topping, No water levelling, No mineralization, No frequent replacement of the battery, etc. Lithium Ion batteries are made of Lithium-ion cells, which are combined and sealed in a battery pack.

That"s right, once installed, these inverters can guarantee a hassle-free experience and smooth power supply.

Su-vastika ESS comes with an Isolation Transformer, which is the most important parameter for weak neutral or weak ground. All the developing countries have the major problem of weak Neutral and Voltage variations and spikes and surges, which are absorbed by the Isolation transformer. Still, in a High-Frequency Inverter without an Isolation Transformer, failure starts in these conditions.

Our UPS also has a feature of short circuit protection. With this feature, in situation of Short circuit, our ESS will take short circuit protection and start giving beeps to let know the customer of short circuit and shut down the UPS and will automatically get on 1 time. In this process, our UPS will check whether the condition of the short circuit has been eliminated or not. If the short circuit has been eliminated, the UPS will start working normally. If the short circuit has been not eliminated, the UPS will go in shut down mode and will have to restart from front switch

The Lead Acid battery wastes a lot of energy and takes time to charge the battery. The tubular battery keeps

charging even when completely charged by taking a trickle charge, an extra electricity bill for the user. If one has 800 VA inverter/UPS installed, then 1 unit is consumed by the inverter/UPS whether the power cut happens or not.

Whereas the lithium battery-based ESS stops the charging once the battery is fully charged and stops the electricity consumption.

The Lithium LifePO4 battery has a C1 rating. In contrast, the Lead Acid Tubular battery comes with a C20 rating, so once the Inverter/UPS is loaded with 8O% capacity, then the tubular battery backup reduces as this is meant for C20 capacity, but the Lithium C1 battery capacity remains the same for any percentage of the load.

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