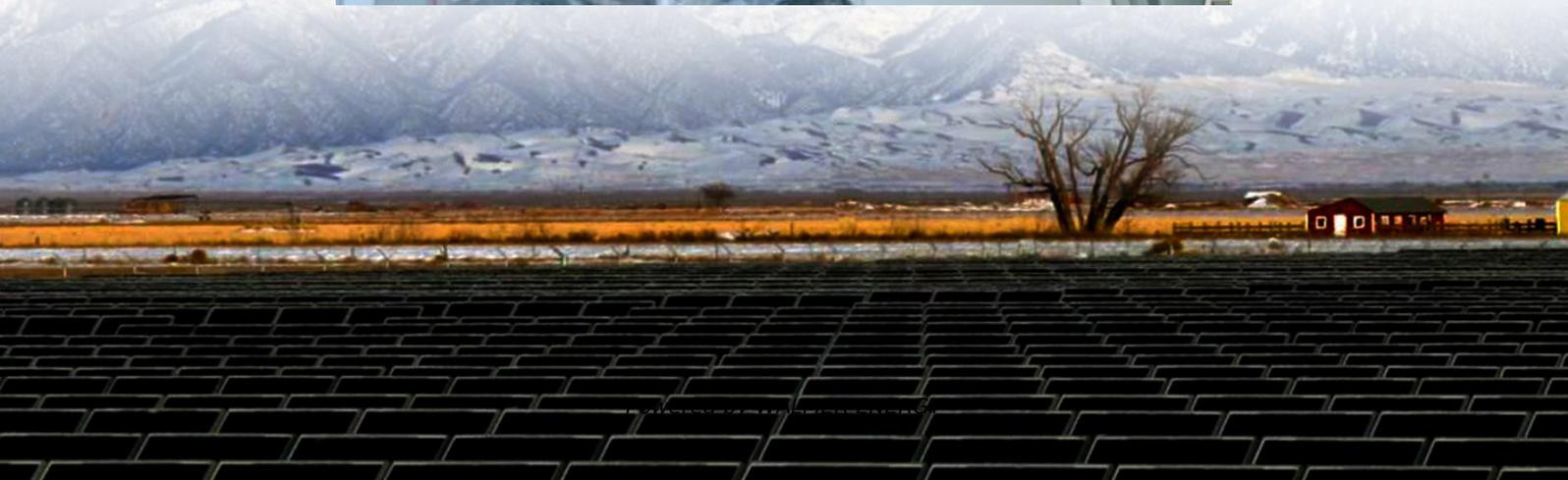
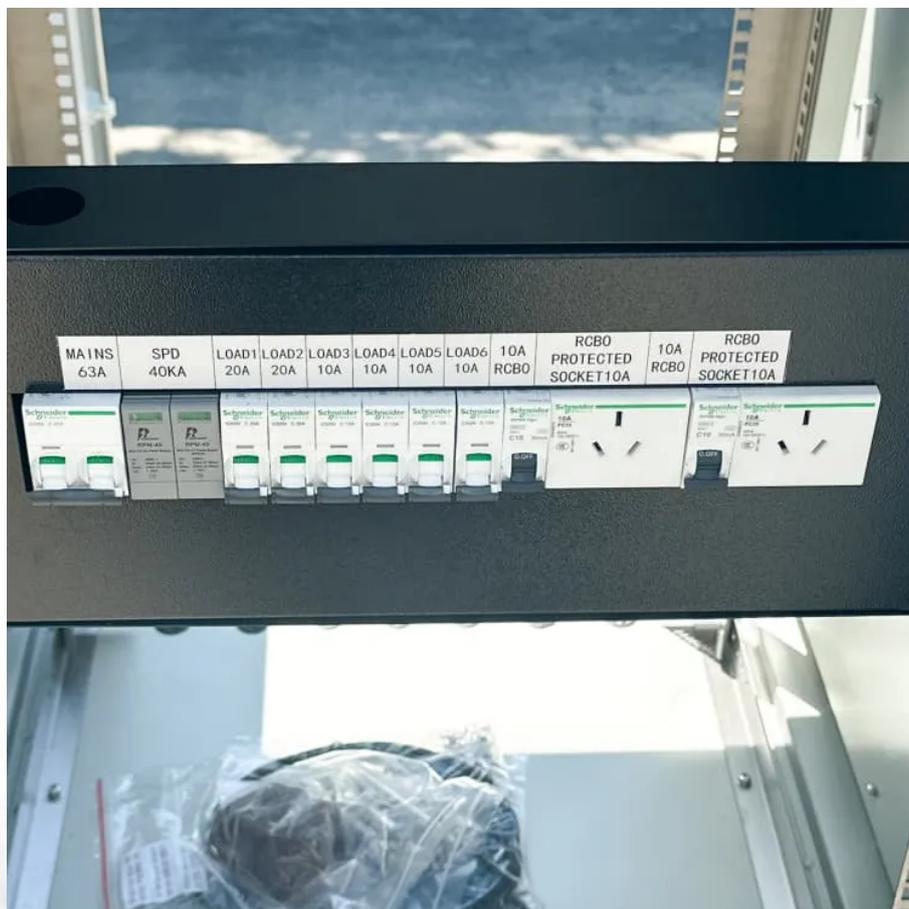


Uninterrupted power supply for Nordic base station equipment room





Overview

What is an uninterruptible power supply (UPS)?

Uninterrupted Power Supplies (UPS) play a vital role in ensuring the continuity of operations during power outages, surges, or fluctuations. Whether safeguarding critical data in a server room or protecting sensitive medical equipment, a UPS system acts as the first line of defense against power disruptions.

What are the best uninterruptible supplies to protect your application?

Discover the best uninterruptible supplies to protect your application. The Vertiv™ Trineergy™ UPS is a high-capacity UPS with maximized reliability and resilience, modular architecture, and high efficiency. It is ideal for the demanding requirements of large-scale applications such as AI.

What are hybrid isolated power supply topologies?

Competing with these new POL modules are hybrid isolated power supply topologies, such as the cascaded current-fed or voltage-fed push-pull converters. Semiconductor suppliers are enabling power supply system designers to embed low-cost compact isolated power supplies directly onto their motherboards and line cards.

What is a preferred power supply architecture for DSL applications?

A preferred power supply architecture for DSL applications is illustrated in Fig. 2. A push-pull converter is used to convert the 48V input voltage to +/-12V and to provide electrical isolation. Synchronous buck converters powered off of the +12V rail generate various low-voltage outputs.



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