

SolarInnovate Energy Solutions

Tokyo communication base station uninterrupted power supply construction specifications



Overview

Do telecommunication towers contain Base Transceiver Stations (BTS)?

Abstract: Telecommunication towers for cell phone services contain Base Transceiver Stations (BTS). As the BTS systems require an uninterrupted supply of power, owing to their operational criticality, the demand for alternate power sources has increased in regions with unreliable and intermittent utility power.

Where are telecommunications towers installed in Japan?

In cities, these are installed on the roofs of apartment and office buildings. In suburban areas, they are typically installed on towers. DKK uses sophisticated design technology to meet the strict construction standards for telecommunications towers. This is the most typical type of tower in Japan.

What is a multi-output power supply design?

Multiple output designs may also employ a complex regulation scheme which senses multiple outputs to control the feedback loop. Voice-over-Internet-Protocol (VoIP), Digital Subscriber Line (DSL), and Third-generation (3G) base stations all necessitate varying degrees of complexity in power supply design.

What types of power systems are used in communications infrastructure equipment?

Communications infrastructure equipment employs a variety of power system components. Power factor corrected (PFC) AC/DC power supplies with load sharing and redundancy (N+1) at the front-end feed dense, high efficiency DC/DC modules and point-of-load converters on the back-end.

What is a 12V intermediate bus Architecture (IBA)?

This challenging business environment has spawned new distributed voltage bus standards, such as the recent +12V Intermediate Bus Architecture (IBA). The deployment of low-cost unregulated (open-loop) bricks to convert from

the -48V bus to a standard +12V intermediate bus has allowed new low cost Point-of-load (POL) modules to be used.

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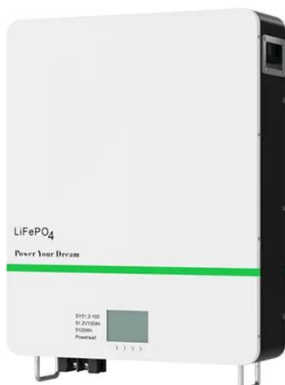


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