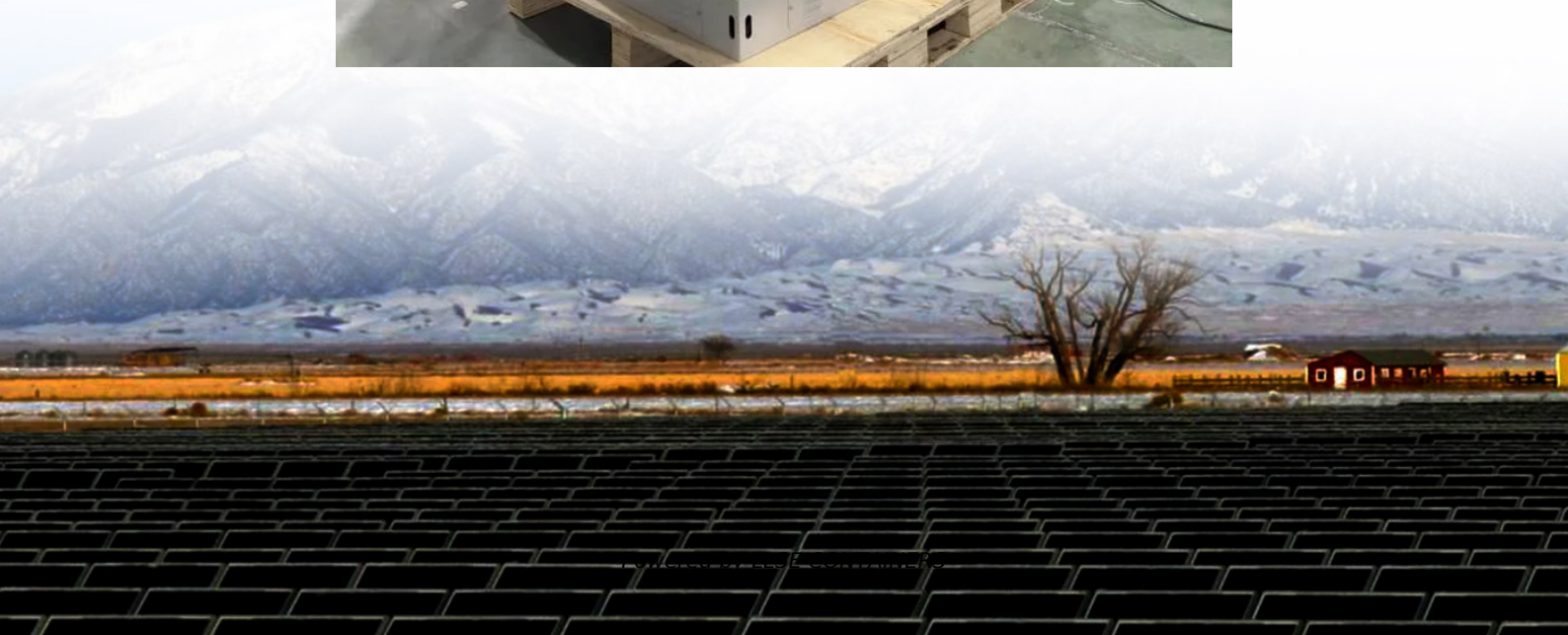


Base station dedicated power supply equipment





Overview

What is a 3G base station converter?

In a 3G Base Station application, two converters are used to provide the +27V distribution bus voltage during normal conditions and power outages.

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.

What is battery management system?

Battery management system used in the field of industrial and commercial energy storage.

What is a low profile power supply?

Low profile power supply design usually includes printed circuit board (planar) power transformers and output inductors and surface mount input and output capacitors. Multiple output power supplies are often implemented with a multi-output flyback converter.



Base station dedicated power supply equipment



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Authored by: Alessandro Pevere, and Francesco Di Domenico, both at Infineon Technologies



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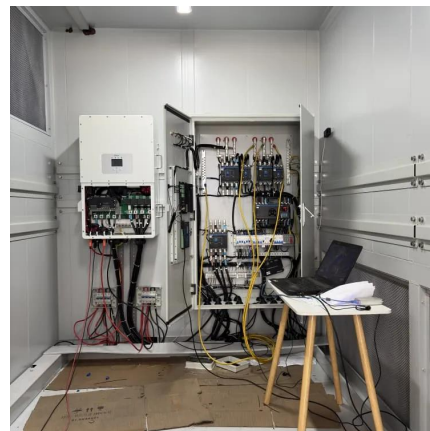
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[Selecting the Right Supplies for Powering 5G Base Stations](#)

These tools simplify the task of selecting the right power management solutions for these devices and, thereby, provide an optimal power solution for 5G base stations components.



[AC and DC Integrated Power System](#)

Our company has developed an integrated design of distributed base station power supply system for a variety of installation environments such as corridor, shaft, and outdoor environment.





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