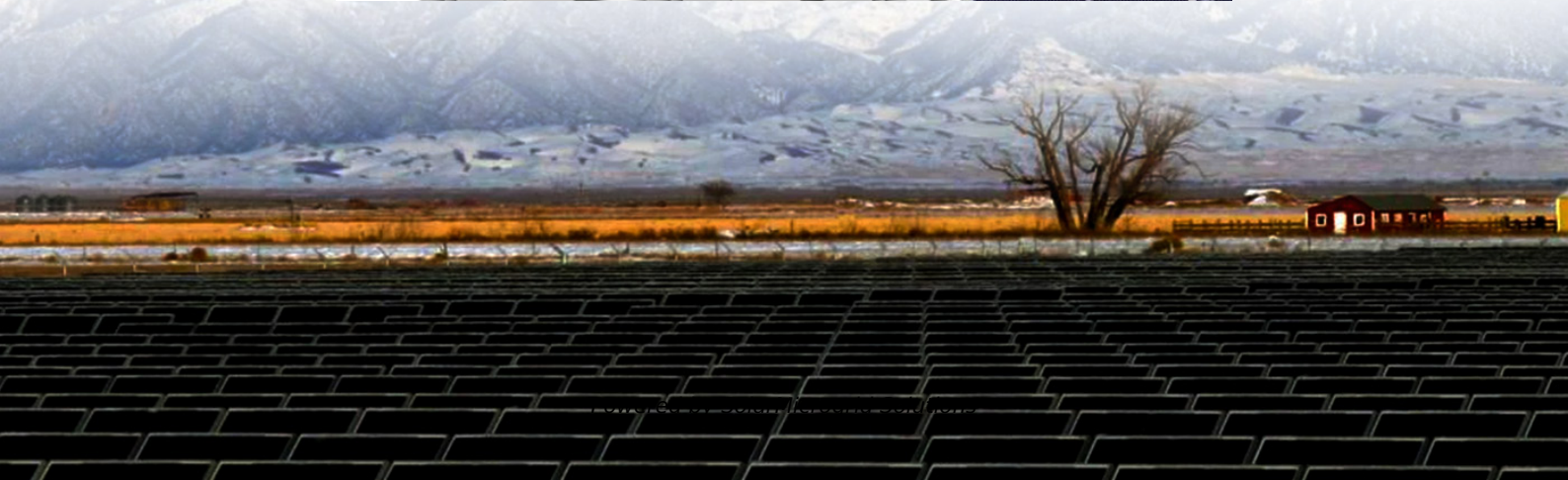
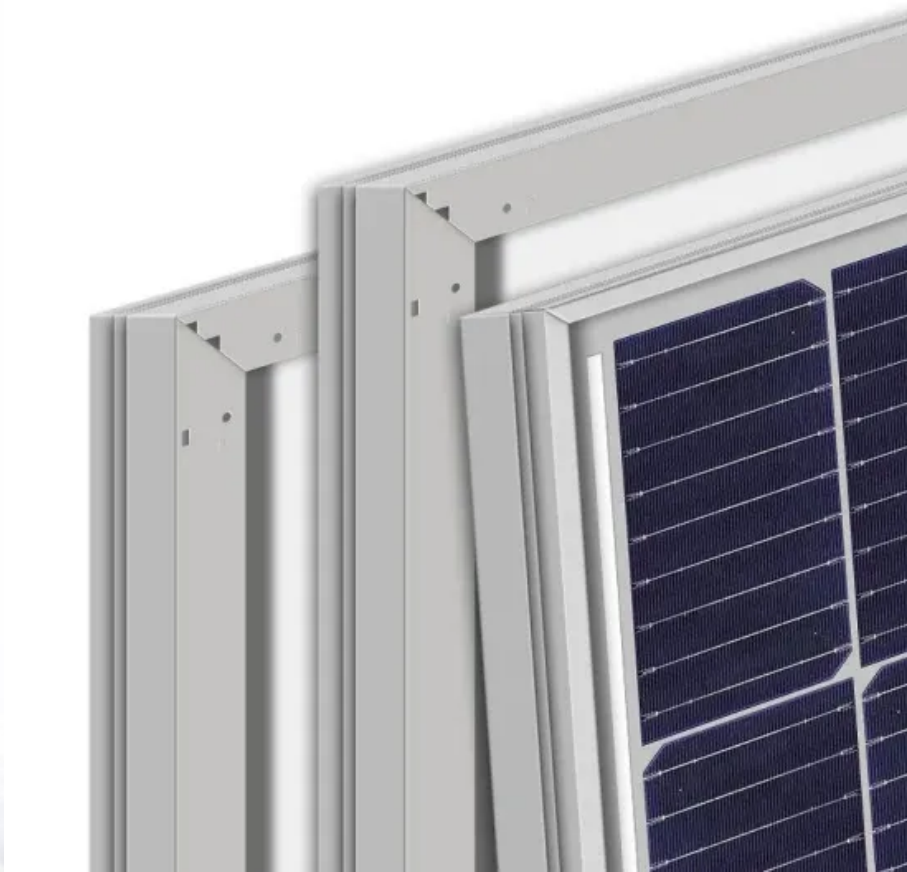


AC power introduction solution for communication base stations





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 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 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.



AC power introduction solution for communication base stations



[Base Station Subsystem: Key Component in Mobile Networks](#)

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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.



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[Telecom Base Station Power System Solution](#)

In order to ensure the continuity and efficiency of communication services, the power system of telecommunications base stations needs to have high reliability, stability and high efficiency to ...

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Optimizing the power supply design for communication base stations

Comprehensively evaluate various factors and select the most suitable power system design scheme to ensure the stable and reliable operation of the base station.

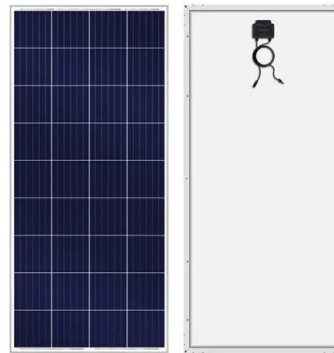
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Unique solutions for DSL, VoIP and 3G Base Stations illustrate the wide range of power system architectures and the opportunities available for higher level integration.

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[Cooling for Mobile Base Stations and Cell Towers](#)

Application Overview Bulky compressor-based air conditioners have traditionally been used for removing heat generated by communications equipment installed in base station and cell ...

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