

A-Core Container

**Communication base station
EMS concurrent user hybrid
power supply**



Overview

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 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 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.

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