

## ContainerPower Energy Solutions

# Base station communication power supply DC distribution cabinet



## Overview

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What is dcdu-12b?

DCDU-12B provides stable power distribution for the TDS-LTE Base Station System. It is the DC distribution unit or device. It serves for distributing the DC power needed for different power needed devices like RRU, EMUB, BBU, and many more.

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.

How many ports does a dcdu-12b have?

It consists of two input terminal blocks and 10 different ports for output. Each port or certain port is assigned for its maximum output fuse current. DCDU-12B provides stable power distribution for the TDS-LTE Base Station System.

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 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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