

## ContainerPower Energy Solutions

# The function of the 4850 inverter for communication base stations



### Battery String-S224

- 1C Charge/Discharge
- Easy configuration and maintenance
- Power supply can be single battery string or parallel battery strings

## Overview

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Power conversion and adaptation: The inverter converts DC power (such as batteries or solar panels) into AC power to adapt to the power needs of various communication equipment. This is critical to ensure stable operation of base station equipment regardless of power source type.

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High energy density: more energy with less weight and footprint High charge and discharge currents (short charge period) Long battery life (up to 3 times the battery life of a conventional battery) High efficiency between charging and discharging Higher continual power available Wide operating.

The communication base station equipment required by telecom operators tends to be integrated, miniaturized, and lightweight, which means more equipment should be installed in a limited space, and that puts forward a higher requirement on the operating temperature range, energy ratio, service life.

General information 1.1 Product overview and characteristics CEP series is a new type of mixed solar energy storage inverting & control all-in-one machine integrating solar energy storage & municipal power charge storage and AC sine wave output. It adopts DSP control and advanced control algorithm.

In communication base stations, since they usually rely on DC power, such as batteries or solar panels, while most communication equipment and other electronic equipment require AC power to operate properly, inverters are almost a necessity. The following are some specific applications of inverters.

In response to the rapid development of the communication industry and site modernization, Huawei launched a series of simple, efficient, and intelligent power systems that integrate digital and big data technologies. The R4850N1 is a digital rectifier that converts the 85~300VAC to 53.5 VDC and.

It mainly deals in various indoor distribution system related products, various RRU BBU AAU and other related equipment and auxiliary materials, and provides equipment customized design services , The company has many years of product agency experience and very rich experience in product design and.

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