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Title: Huawei communication base station power module

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What are Huawei base stations?

Huawei base stations are universal and different types of base stations can be configured by flexibly combining basic modules and various cabinets. The basic modules are the baseband unit (BBU) and radio frequency module which includes radio frequency unit (RFU), remote radio unit (RRU), and active antenna system (AAS).

What is Huawei apm30h?

The advanced power module with heat exchanger (APM30H) is used for Huawei wireless products outdoors. It is small and easy to transport. The APM30H supplies DC power to the distributed or separated macro base station in outdoor scenarios. It provides space for both the BBU and transmission equipment.

What is dbb3900 dual-mode base station?

DBB3900 Dual-Mode Base Station is the fourth generation base station developed by Huawei. It features a multi-mode modular design and supports three working modes: GSM mode, GSM+UMTS dual mode, and UMTS mode through configuration of different software. In addition, the DBB3900 supports smooth evolution to the Long-Term Evolution (LTE).

What type of power does the apm30h support?

Power Specifications The APM30H supports the input power of 220 V AC single-phase, 220/380 V AC three-phase, 110 V AC dual-live-wire, 120 V AC dual-live-wire, and the output power of -48 V DC. When AC power is used, the base station converts AC power into -48 V DC power.

Does a bbu3900 work in GSM+UMTS dual mode?

When the DBB3900 works in GSM+UMTS dual mode, a BBU3900 supports the maximum cell configuration of GSM S24/24/24 or UMTS S8/8/8. Capacity of the RRU3929 can be expanded through cascading of RRU3929s, and three cascaded RRU3929s can support the cell configuration of GSM S6/6/6 + UMTS S2/2/2.

How many UMTS carriers can a bbu3900 support?

When the DBB3900 works in UMTS mode, a BBU3900 supports 24 cells, the maximum configuration of 3 x 8, 1,536 CEs in the uplink, 1,536 CEs in the downlink. In addition, the BBU3900 supports the HSDPA and HSUPA. An RRU3806 supports a maximum of four UMTS carriers.

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Huawei communication base station power module

three-phase, 110 V AC dual-live-wire, 120 V AC dual ...

The solution is based on Huawei's extensive experience in building the telecommunication networks and our focus on customers' needs. Huawei ...

Specifically, 3900 series base stations use the newly developed power amplifiers (PAs), provide the temperature control function, and employ the innovated power saving ...

The DBS3900 has two types of basic modules: baseband unit (BBU3900 or BBU3910 or BBU3910A) and radio frequency module which includes remote radio unit (RRU), ...

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DBS3900 Dual-Mode Base Station is the fourth generation base station developed by Huawei. It features a multi-mode modular design and supports three working modes: GSM ...

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However, there is still a need to understand the power consumption behavior of state-of-the-art base station architectures, such as multi-carrier active antenna units (AAUs), ...

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The distributed architecture is adopted to separate the RF unit part of the base station from the baseband unit part, connecting the two parts through optical fiber, which ...

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The DBS5900 adopts a modular structure, with the baseband unit BBU and remote radio unit RRU deployed separately. The DBS5900 has the characteristics of small ...

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