Why does the base station power supply need 48V

Why do communication base stations use -48V power supply?
Communication base stations use -48V power supply for most historical reasons. Historically,the communications industry equipment has been using -48V DC power supply. -48V is also known as positive ground.

What is a 48V power supply?
Because the smallest communications network and communications engineering are in the telephone network, the telecom bureau power supply voltage are 48V. Later, to be compatible with earlier equipment and reduce the cost of replacement, engineering and port communications equipment use -48V power supply.

What is a communication base station power supply?
Communication base station power supply in the tower room power supply system is an essential and important part of the mobile communication network. The current communication power supply voltage level is divided into DC-48V (+24V),AC 220/380V. Communication industry equipment generally use -48V DC power supply,positive grounding,why?

Why does switch power supply use 48V?
This is because the battery pack voltage is indeed - 48V, which can be seen when using batteries in the switch power supply equipment. Because the voltage is 2V of a single bureau with high-capacity batteries. Each group consists of 24 batteries in series. So for a long time, the switch power supply voltage use 48V.

Despite its complexity and propensity for confusion, described below, "neg" 48 volt is the common choice in DC power for wireless networks. History Why is the positive side of the DC circuit ...

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Thus, 48V became embedded as the "genetic code" of telecom power supply, passed down as the industry evolved from wired telephony to wireless base stations and microwave ...

For -48V system equipment, the required operating voltage range is -38.4V ~ 57.6V, but in fact we generally require the operating range -36V ~ -72V. The main consideration is that -48V system ...

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Figure 3. A power supply for a 5G macro base station block diagram. Highlighted ICs The MAX15258 is a high voltage multiphase boost controller with an I 2 C digital interface designed ...

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Figure 3. A power supply for a 5G macro base station block diagram. Highlighted ICs The MAX15258 is a high voltage multiphase boost ...

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