



Negative output base station power supply





Overview

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This application note introduces several methods to convert a positive power supply to a negative power supply to meet miscellaneous requirements from engineers under complexity, performance, and package constraints. All trademarks are the property of their respective owners. Negative power supply.

The solution is to either have a floating 'ground' rail so that the op-amp negative supply can be more negative than the rest of the circuit or to have a proper negative rail; it doesn't need to be a large voltage, it just needs to be enough for the output to get to zero comfortably. It didn't need.

Most modern electronics operate on straightforward, positive supply rails such as 3.3 V or 5 V. But many modern applications that require full bipolar signal swing, balanced biasing, or specific analog performance may lead designers into the less familiar territory of negative voltage rails. Most.

Before making a negative voltage circuit, we need to understand what a negative voltage is. In a dual rail power supply, it is easy to notice three outputs which are positive, ground and negative voltage. The ground is the reference voltage for the circuit i.e., 0V. Positive and negative voltages.

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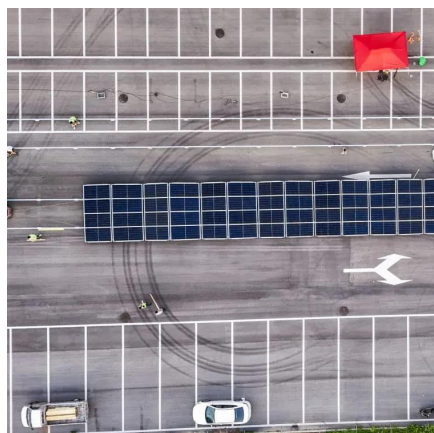
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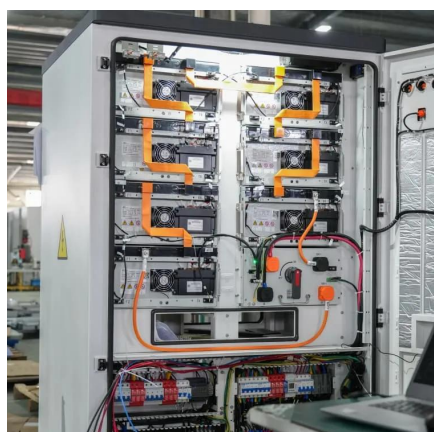
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