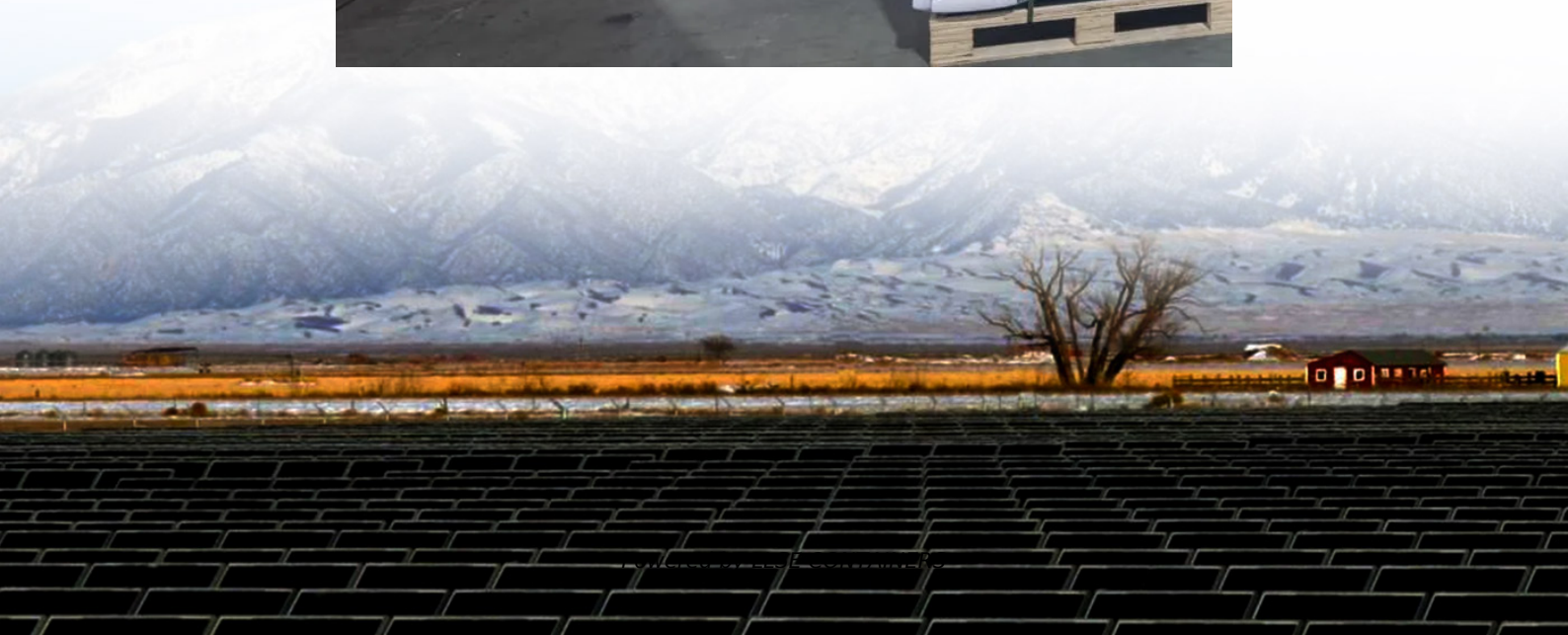


Congo Intelligent Portable Power Supply Customization





Overview

What is intelligent power conversion?

With intelligent power conversion, the power supply becomes a platform solution for many different applications. The power supply can easily be reprogrammed to support different output voltage levels, operating limits and control inputs. This reduces inventory overhead and the support required for multiple platforms.

What is an intelligent power supply?

Traditional power supply designs use analog ICs with fixed functionality to provide regulated power. The intelligent power supply integrates a microcontroller (MCU) or Digital Signal Controller (DSC) for a fully programmable and flexible solution. Below are some examples of intelligent power supply functions: Why Intelligent Power Conversion?

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What are the benefits of intelligent power conversion?

Auxiliary functions, such as fan control and data logging, are easily integrated. With intelligent power conversion, the power supply becomes a platform solution for many different applications. The power supply can easily be reprogrammed to support different output voltage levels, operating limits and control inputs.

Does an intelligent power supply need to be complex or expensive?

An intelligent power supply does not need to be complex or expensive. Offering MCUs and DSCs ranging from 6 to 144 pins, Microchip has an appropriate device solution for every application. Many simple tasks can be implemented with a low-cost MCU that contains basic peripherals.



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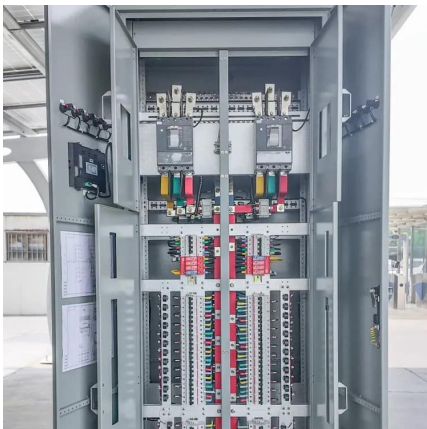


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