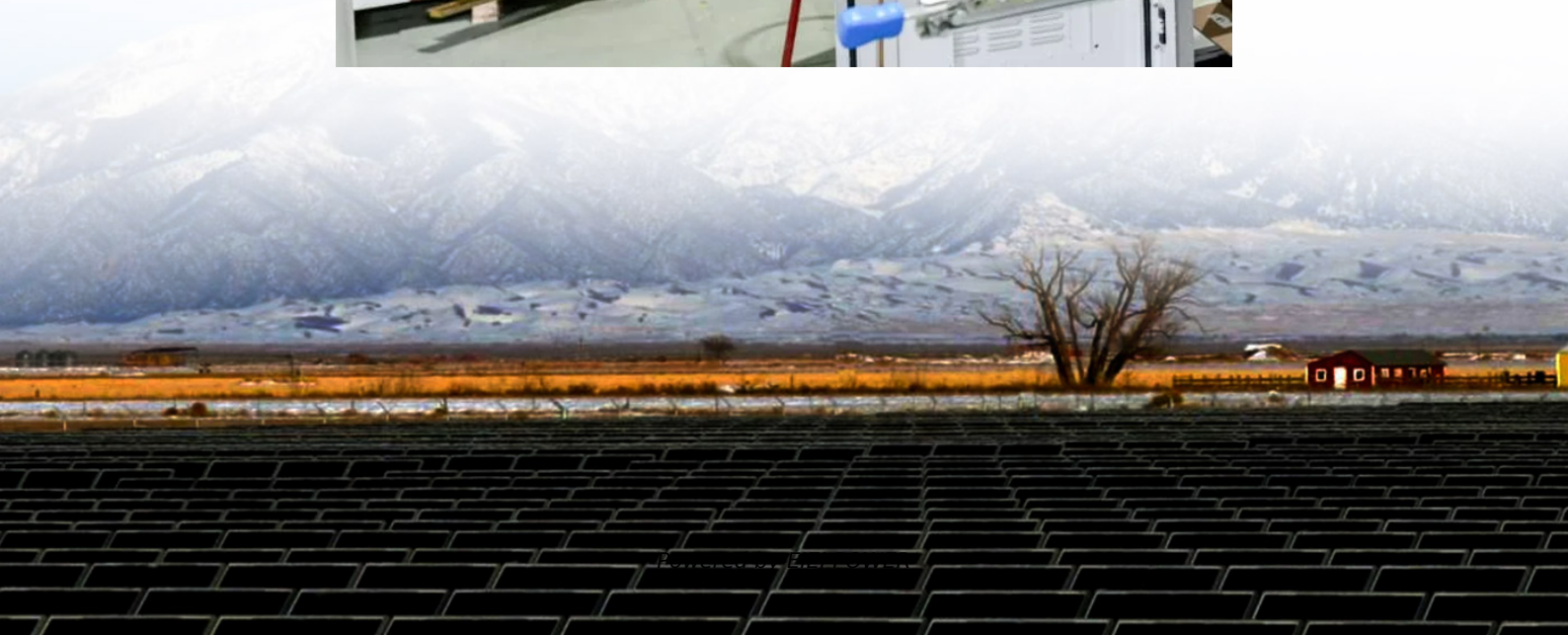


# Portable power supply general parameters





## Overview

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What are the parameters of a power supply?

The ripple and noise parameters are another important power supply specification. It is possible that noise and other impulses on the power line can be transferred to the output of the circuit that is being powered. In order to minimise this, especially for sensitive circuits it is necessary to ensure that the power lines are as clean as possible.

What are the primary power supply specifications?

The primary power supply specifications are the voltage and current output parameters. In terms of the voltage, the power supply may be fixed or it may have a variable output. It is necessary to check whether the power supply has a fixed or variable output.

What makes a good power supply?

A power supply must deliver voltage and current that is stable and precise, with minimal noise to any type of load: resistive, inductive, low impedance, high impedance, steady-state, or variable. How well the power supply fulfills this mission and where it reaches its limits are defined in its specifications.

What is a programmable DC power supply?

In addition to output settings, there are measurement or readback specifications that are independent of the output specifications. Most programmable DC power supplies provide built-in measurement circuits for measuring both voltage and current. These circuits measure the voltage and current being delivered by the power supply output.



## Portable power supply general parameters

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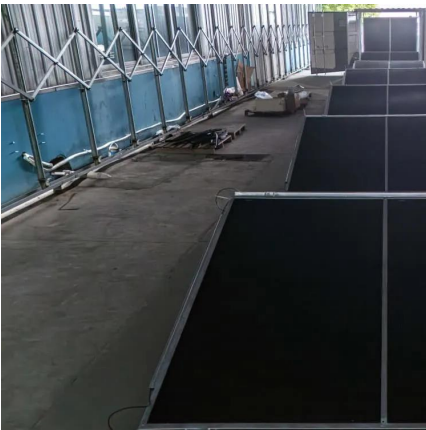
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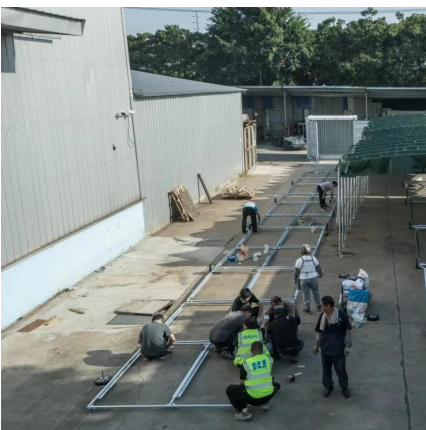
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