

## A-Core Container

# 2 outdoor power supplies connected in series



## Overview

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What is series connection of power supplies?

Series connection of power supplies can cater to special needs of the system when requiring higher output voltages. 1. Parallel Operation The purpose of parallel operation is to get increased output current.

Should I connect power supplies in series or parallel?

Connect power supplies in parallel if you want: To connect more devices in a parallel configuration. To install identical power supplies. Again, a customer service representative at Bravo Electro can not only help you choose between connecting power supply in series vs parallel but also offer recommendations on the specific PSUs you should use.

Should I connect two power supplies in series?

Connecting two power supplies in series can help you achieve a higher voltage and redundancy in your setup. While it sounds complex, we've simplified the process for you above so you can hit the ground running if this configuration makes sense for your unique needs.

Can a 12V power supply be connected in series?

For example, if each power supply outputs 12V and they are connected in series, the total output voltage would be 24V, while the current capacity remains the same as that of the individual supplies. Or instead of using a 48v power supply, you could have four 12v power supplies in series or two 24v power supplies in series.

When should a power supply be connected in series?

Series connection of power supplies may be used when higher output voltage is desired than that can be obtained from one power supply. Power supplies that are connected in series need to be of similar characteristics and preferably of same manufacturer and same model number.

What are the different types of power supplies?

1. Power Supplies Connected for Redundancy 2. Power Supplies with Outputs Connected in Parallel 3. Power Supplies with Outputs Connected in Series 4. Summary 5. Additional Resources In some applications the use of a single power supply may not be sufficient to provide the power required by the load.

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### Contact Us

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