

# 1200 W CC/CV Adjustable Boost Converter

High-power DC-DC step-up module for vehicle, audio and charging systems



## Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

# Electrical and Mechanical Specifications

| Parameter           | Value                                                   |
|---------------------|---------------------------------------------------------|
| Conversion type     | Non-isolated DC-DC boost converter                      |
| Maximum power class | 1200 W peak under suitable input and cooling conditions |
| Control modes       | Constant voltage and constant current                   |
| Output              | Adjustable boosted DC output                            |
| Cooling             | Full-length aluminum heatsink                           |
| Adjustment          | Independent voltage and current controls                |

## Key Features

- 1200 W peak power class
- CC/CV regulation
- Large aluminum heatsink
- High-current terminal connections

## Operating Notes

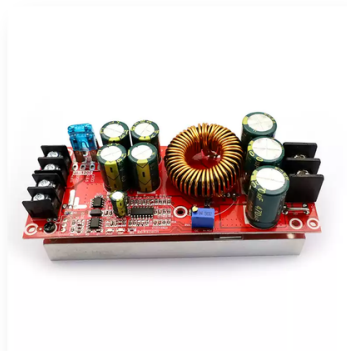
- The 1200 W rating requires a very low-impedance source, heavy wiring and forced-air cooling.
- Configure voltage and current limits before connecting the load.
- This is a boost-only converter.

# Application and Connection Guide

## APPLICATION & CONNECTION

### HIGH-CURRENT DC INPUT

Lower DC voltage



### LOAD / BATTERY

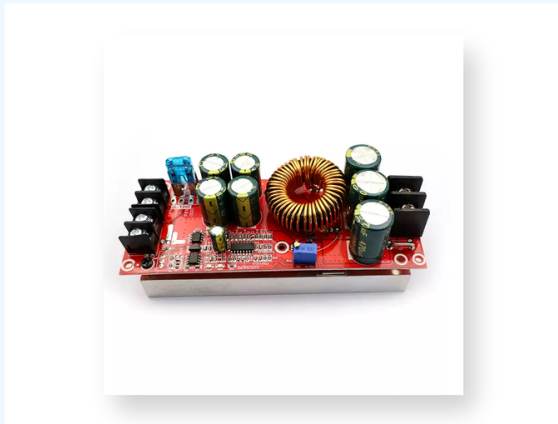
Boosted DC output

**Verify polarity and configure voltage/current before connecting the load.**

## Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

## KEY PRODUCT ADVANTAGES



- 1 **1200 W peak power class**
- 2 **CC/CV regulation**
- 3 **Large aluminum heatsink**
- 4 **High-current terminal connections**