

# USB Digital Adjustable Buck-Boost Module

1-24 V, 3 W programmable supply with LED voltage/current display



## 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                                      |
|-------------------------|--------------------------------------------|
| Input interfaces        | USB Type-A plug, Micro-USB and solder pads |
| Adjustable output       | 1.0-24 VDC                                 |
| Maximum output power    | 3 W                                        |
| Low-voltage power limit | 1-2 V output: up to 2 W                    |
| Main power limit        | 2-24 V output: up to 3 W                   |
| Display                 | Three-digit LED voltage/current display    |
| Protections             | Under-voltage, over-current and over-power |
| Dimensions              | 76 × 22 mm                                 |

## Key Features

- USB-powered adjustable output
- Live voltage and current display
- Output on/off and value memory
- Integrated protection functions

## Operating Notes

- Keep operation within both the voltage and power limits.
- Set the output voltage before connecting the load.
- The page includes several display and enclosure variants; this sheet documents the three-digit LED version.

# Application and Connection Guide

## APPLICATION & CONNECTION

### USB / PAD INPUT

5 V nominal



### ADJUSTABLE LOAD

1-24 VDC

**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 USB-powered adjustable output

2 Live voltage and current display

3 Output on/off and value memory

4 Integrated protection functions