

# BUCK CONVERTER

Step-down converter for voltages up to 35 V

## 1. GENERAL INFORMATION

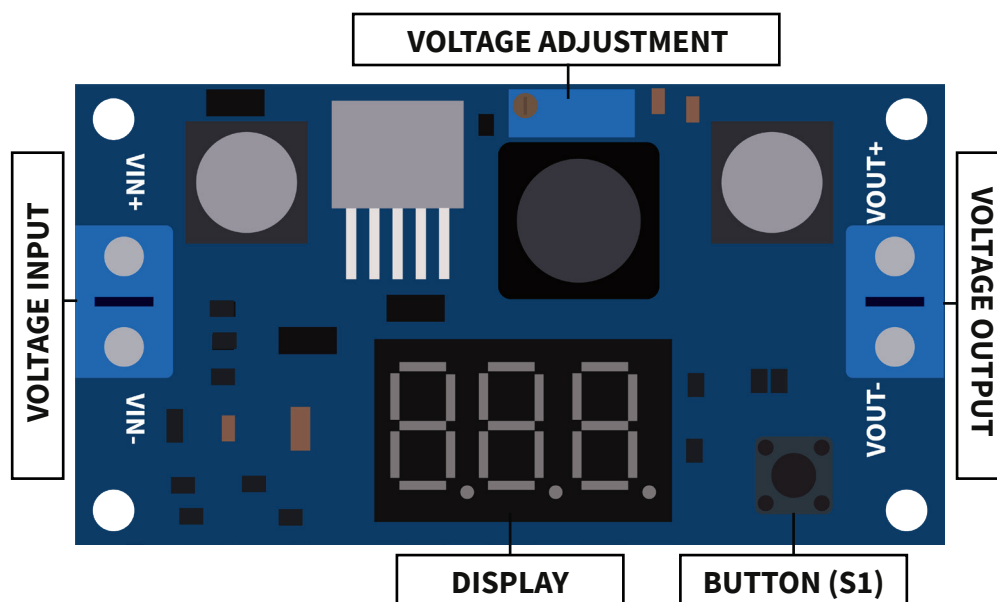
Dear customer,

Thank you for choosing our product. In the following, we will show you what you need to bear in mind during commissioning and use.

Should you encounter any unexpected problems during use, please feel free to contact us.

## 2. BASICS & OVERVIEW

The voltage converter is based on the LM2596S DC-DC module. The voltage can be adjusted by using the potentiometer with an accuracy of  $\pm 0.1$  V. Via the knob the integrated segment display can additionally be switched between the input and the output voltage.



## SPECIFICATIONS

Input voltage	4 - 35 V
Input current	$\leq 2$ A
Output voltage	3 - 34 V
Output current	$\leq 2$ A
Input power	Max. 15 W
Accuracy	$\pm 0,1$ V

### 3. USAGE

Connect the cables of your voltage source to the input (VIN+ & VIN-) of the voltage converter. Next, connect the cables of the device to be supplied to the output (VOUT+ & VOUT-). The buck converter is now ready for use.

Use the adjustment screw on the voltage adjustment to set the output voltage. The display can show the current input voltage as well as the current output voltage. The display mode can be changed using the S1 button.

## 4. INFORMATION & TAKE-BACK OBLIGATIONS

Our information and take-back obligations under the Electrical and Electronic Equipment Act (ElektroG)



### **Symbol on electrical and electronic equipment**

This crossed-out trash can means that electrical and electronic equipment does not belong in the household trash. You must hand in the old equipment at a collection point. Before handing in, you must separate used batteries and accumulators that are not enclosed in the old device from the old device.

### **Return options:**

As an end user, when you purchase a new appliance, you can return your old appliance (which performs essentially the same function as the new one purchased from us) for disposal free of charge. Small appliances with no external dimensions larger than 25 cm can be returned in normal household quantities, regardless of the purchase of a new appliance.

### **Possibility of return to our company location during opening hours:**

SIMAC Electronics GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn

### **Possibility return near you:**

We will send you a parcel stamp with which you can return the device to us free of charge. To do this, please contact us by e-mail at [Service@joy-it.net](mailto:Service@joy-it.net) or by phone.

### **Packing information:**

Please pack your old device securely for transport. If you do not have suitable packaging material or do not wish to use your own, please contact us and we will send you suitable packaging.

## 5. SUPPORT

We are also there for you after the purchase. If you have any questions or problems arise, we are also available by e-mail, telephone and ticket support system.

E-Mail: [service@joy-it.net](mailto:service@joy-it.net)

Ticket-System: <http://support.joy-it.net>

Phone: +49 (0)2845 9360 – 50 (9:30 - 17:15 o'clock)

For more information, visit our website:

[www.joy-it.net](http://www.joy-it.net)