

# **USER MANUAL**

**SUT SERIES**

# VOLTAGE BOOSTER

## 1. Introduction

Thanks for choosing our SUT series converter-voltage booster. It can convert the DC12V into DC24V output. And it can be widely used in all kinds of electrical appliances include the truck, which voltage rating is DC24V.

## 2. Features:

With advanced PWM CMOS chip, working in the state of ultrasonic sound which can both in a great extent min the bulk and weight, make the circuit work without noise.

Small in size, light in weight, quiet and convenient.

Protect the electric circuit and appliances in a great degree.

## 3. Automatic protection features:

Over current, over voltage, overheat, and short circuit.

## 4. Safety First

- Place the unit in a dry and safe place.
- Please don't connect this unit with the electrical appliances.
- To avoid the problem happen, please do not use the unit with over current too long time.
- Do not use this product too long time when the car engine off to avoid the car can't start because of the very low voltage of car battery .
- Do not use this unit in high temperature, wet, and dirt places.
- Do not make any decompose or make over by yourself.

## 5. Use method

- Connect the 12V input with 12V battery, and the section of wire is not less than 2.5mm
- Connect the 24V output with 24v electrical appliance.
- Be sure of the power of your electric tool is below power rating of the unit.
- Electrodes of the power should be correctly. And the red line is anode, and the black one is cathode.
- Switch on the power, the LED on the product lit.
- Switch on the appliances, and then it can work.

## **6. Specification:**

Input voltage: DC10-16V

Output voltage: DC24V

Output current: 5A , 10A, 15A, 20A, 30A

Max. Current: 6A, 11A, 16A, 22A, 33A

Source Effect (100% load):  $\pm 0.3\%$

Load Effect (0-100% load):  $\pm 0.2\%$

Max. Power: 144W, 264W, 384W, 528W, 792W

Efficiency: > 90%

Solid state current: <30 mA

## **7. Warranty**

All of the products which offered by our company, we offer 12 months warranty. We provided a limited warranty that covers defects of the products you ordered caused by material or manufacturing faults. The warranty period if for 12 months and begins on the date of purchase by the original end user.

