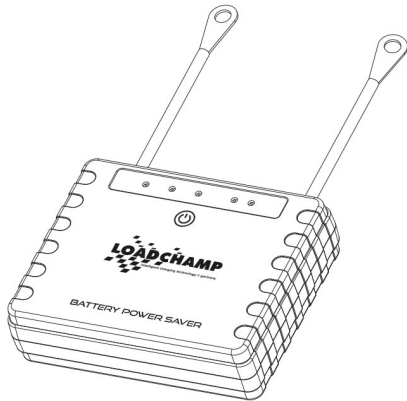


# USER MANUAL

Thank you for choosing BPS-A1 Battery Power Saver! Always follow basic safety precautions when using electrical appliances. Read all instructions carefully. Please keep this instruction manual for easy reference



## Product Introduction

BPS-A1 Battery Power Saver is a product that can assist to start engine with 12V vehicle battery, it helps to extend the vehicle battery lifetimes.

## Product features

Safety battery product: using LiFePO4 battery, with excellent thermal stability and safety characteristics.

Assistance to start: assist to start engine with vehicle battery, help to protect vehicle battery.

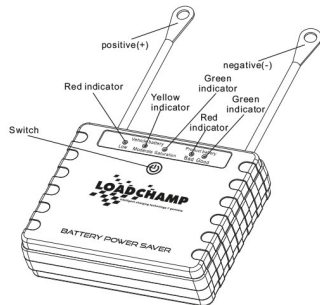
Battery voltage inspection: inspect the vehicle battery voltage easily

BMS: Excellent Battery Management System, special design to balance the product voltage to prevent over-charge, over-discharge, over-current and big voltage difference between single cell. And make sure the product's battery is in full power state.

Durability: More than 10K times to assist to start vehicle.

## Installation instructions

- 1, This product is installed by professionals, such as a non-professional installation process to get blank brains cause product damage, even a fire.
- 2, Take out the product, distinguish the positive and negative lines of products lead, be careful not to short circuit.
- 3, The product of the red line (+) lead to the positive (+), car battery screw fixation.
- 4, The product of the black line (-) lead to car battery cathode (-), screw fixation.
- 5, Fixed the entire product installation, the installation is completed.
- 6, After the installation is completed, the product will work automatically.



①

## Button and instructions:

- 1, Press the switch button on the product, the LED indicator will light up.
- 2, Do not operate product after a period of time, the LED indicators automatically go out.

## Battery power indicator point voltage:

The red light is on when vehicle battery voltage is less than 11.9V, the yellow light is on when it's between 12.0V-12.5V, the green light is on when it's more than 12.6V .

**Red indicator on:** means the vehicle battery voltage is too low, the vehicle may can not be started.

**Yellow indicator on:** means the vehicle battery voltage is medium, the vehicle can be started normally.

**Green indicator on:** means the vehicle battery voltage is high, the vehicle can be started easily.

## Technical Specifications:

Size: 130\*105\*37mm

Weight: 430g

Battery Capacity: 3.2V/6400mAh/20.48Wh













Input voltage: 12V

Output voltage: 14V

Maximum output current: 200A

Operating temperature: -20°C ~ 85°C

②

-  Always take care when using the appliance
-  This appliance is not intended for use by young or infirm persons without supervision.
-  Do not use as a toy.
-  Do not allow the appliance to become wet.
-  Do not immerse the appliance in water.
-  Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
-  Do not modify or disassemble E-Power. Only a repair technician may repair this unit.
-  Do not expose the appliance to heat.
-  Do not store in locations where the temperature may exceed 85 °C.
-  Under extreme conditions, battery leakage may occur. Carefully wipe the liquid off using a cloth and avoid skin contact when you notice liquid on the batteries.
-  In case of skin or eye contact, rinse immediately with clean water and seek medical attention.
-  At the end of their useful life, discard the appliance with due care for our environment.

## Declaration of conformity:

We, Loadchamp (Kiriazis & Papazis GbR), Fahrlichstr. 14, 68165 Mannheim, Germany, Tel: +49 621-46098533, declare that product LOADCHAMP, Model BPS-A1, is in conformity with the following standards:  
EMV Richtlinie 2004/108/EG. Angewandte harmonisierte Normen:  
EN 50498:2010,  
EN 61000-6-3:2007+A1:2011,  
EN61000-6-1:2007,  
EN61000-3-3:2008,  
EN55015:2006+A1:2007+A2:2009,  
EN 61547:2009,  
EN61000-3-2:2006+A1:2009+A2:2009  
RoHS Richtlinie 2011/65/EU

Mannheim 01-05-2016

## Environmental protection note

At the end of its useful life, this product must not be disposed of together with normal household waste, but has to be dropped off at a collection centre for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, on the instruction manual or on the packaging.



③