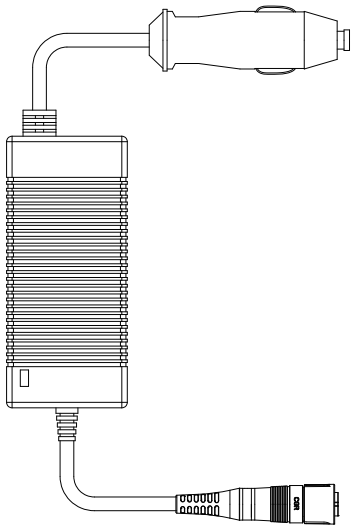


Spirit Battery 12V Charger Ultra User Manual

Suitable for Spirit Battery Ultra



Model: DC124870



Please read this manual carefully before use.

Introduction

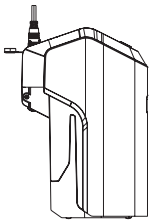
- Thank you for purchasing ePropulsion Spirit Battery 12V Charger Ultra.
- This 12V Charger is specially designed for Spirit Battery Ultra.

Specifications

Input power	70 W
Input voltage	10 - 30 VDC
Max input current	7 A
Min charge voltage	32.5 V
Max charge voltage	56.2 V
Rated output	56V \pm 1.25A
Efficiency	>85% (full load condition)
Operating temperature	-20 to 40 °C / -4 to 104 °F
Storage temperature	-30 to 70 °C / -22 to 158 °F
Storage humidity	65% \pm 25%RH
Altitude	<3000m
Certification	CE-EMC, FCC
Weight	450g
Dimensions	132 x 59 x 31 mm
Cable Length	Input: 1000mm Output: 1000mm

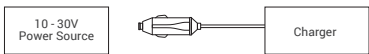
Operations

step 1: Connecting to Spirit Battery Ultra.

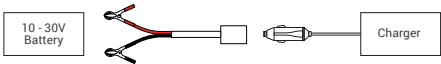


step 2: Connecting to Power Source

a. Connecting to a car's cigarette lighter port.



b. Connecting to a 10-30 V vehicle battery.



LED Indicator

There is a bicolored LED indicating mode of the Spirit Battery 12V Charger Ultra.

LED Color	Mode
Red	In process of charging
Green	No load output / Full Charge

Notes

- Do not puncture, throw, drop, bend or modify the charger.
- The controller should be used in well ventilated, dry, particle free environment.
- The controller should avoid direct sun exposure.
- The case is an important means of heat dissipation, thus should not be covered.
- Opening the housing of the charger without prior written consent of the manufacturer voids the manufacturer's warranty immediately.

Warranty

ePropulsion Spirit Battery 12V Charger Ultra is guaranteed against any manufacturing defects for TWO years from date of delivery of products to end customers.

Free warranty is only validated upon the presentation of legal serial number, Warranty Card, and evidence of purchase from an authorized ePropulsion dealer.

Conditions:

Valid date of purchase should be established by the first-hand purchaser with original sales slip.

Free warranty is not transferable and will not be reissued.

The warranty is valid only when the information is correct and complete.

Warranty does not cover:

Minor faults producing no influence on the intended function of the product.

Faults resulting from any improper operation that contradicts the user manual.

Accessories supplied with the product.

Damage caused by accident, misuse or unauthorized repair.

Damage caused by dropping, improper care or storage.

If warranty expires, users can still enjoy maintenance services from ePropulsion authorized dealers with minimum maintenance charge.

Packing List

Item	Qty.
Spirit Battery 12V Charger Ultra	1 Set
Input Transfer Line	1 Set
Manual	1 Set

WARRANTY CARD

Spirit Battery 12V Charger Ultra

(In order to validate warranty, please fill in this form first and read the Warranty Policy.)

OWNER INFO

Owner Name _____ Phone _____

Email _____

Address _____

DEALER INFO

Store Name _____ Phone _____

Email _____

Address _____

PRODUCT INFO

Date of Purchase (mm/dd/yyyy) _____

Dealer's signature:

Guangdong ePropulsion Technology Limited

☺ service@epropulsion.com

☹ www.epropulsion.com

* Dealer info should be filled by the dealer when the product is purchased.

* Dealer's signature indicates confirmation of above information.

EU Declaration of Conformity

We Guangdong ePropulsion Technology Limited, hereby, declares that this equipment is compliance with the applicable Directives and European Norms, and amendments.

Object of the Declaration:

Product: Spirit Battery 12V Charger Ultra Model: DC124870

The object of the declaration is in conformity with the following directives and regulation:

Electromagnetic Compatibility (EMC) Directive 2014/30/EU

Restriction of Hazardous Substances Directive 2011/65/EU and Delegated Directive (EU) 2015/863

EC REACH Regulation (EC 1907/2006) Regulation on General Product Safety 2023/988

Applied Standards:

EN IEC 61000-6-3:2021

EN IEC 61000-6-1:2019



This declaration of conformity is issued under the sole responsibility of the manufacturer: Guangdong ePropulsion Technology Limited.

Address: Room 801, Building 1, 11 Daxue Road, Songshan Lake, Dongguan, Guangdong Province, China

Signature: 陶师正 Date: 2026.1.26

Shizheng Tao, Chief Executive Officer & Cofounder of Guangdong ePropulsion Technology Limited

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Disposal and environment



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.