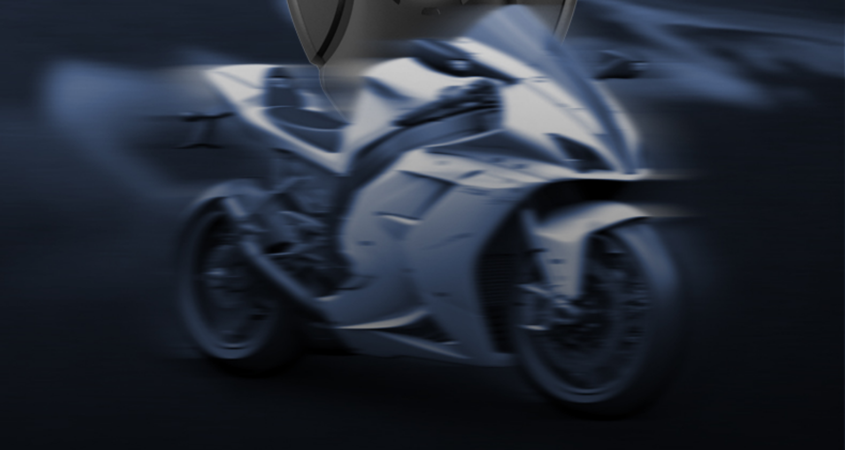
COMPACT

Power Elf
Motorcycle
Bidirectional Charger

Cute & Convenient

4LEAD
IN
OUT
18.8V
NG

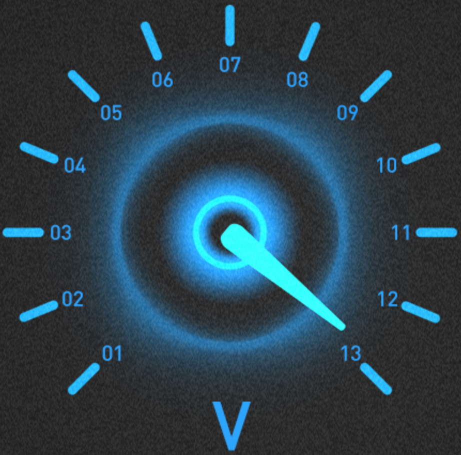


- TYPE-C Input/Output
- 12V Battery Charger
- Phone Charger
- Voltage Indicator
- For Motorcycle

VOLTAGE

Suitable for 12V Lead-Acid Battery & 12.8V Lifepo4 Battery

Connect to Measure 12V Battery Voltage



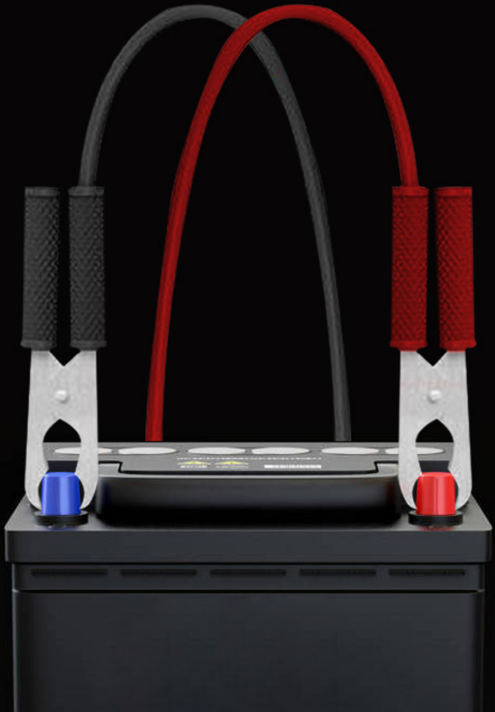
LILEAD
OUT
IN
V
NG

ACTIVATING

Easy Activation Instant Start

Flash charge with TYPE−C for max 30W power.

Connect, tighten, and activate your battery with ease



LILEAD
IN
OUT
13.6V

12V Battery Charger

Compatible with all TYPE-C charger

TYPE-C Input

Charge the battery using a mobile phone charger, power bank, or portable power station via a Type-C cable

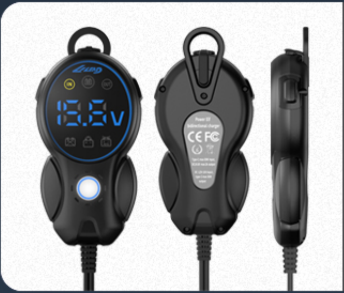
LILEAD
IN
OUT
13.6V

Charge 12V battery

Suitable for 12V Lead-Acid
Battery & 12.8V Lifepo4 Battery

Emergency charging for low battery

Fast charging for the battery
Easily solve motorcycle low
battery issues



Battery Elf Three-View Diagram

Compact and delicate, strong
and wear-resistant
Maximum charging current: 2A

SECURE

Safety First
Perfect Protection

Traditional charger mains input voltage: 220V/110V

30W Power Elf Input Voltage < 20V

The safe voltage for the human body is 48V.

LILEAD
IN
OUT
NG

High and low voltage protection

intelligent charging

over-current protection

short circuit protection

WATERPROOF

Outdoor waterproof design
Safe to use even on rainy days

Waterproof charging cable.

Charge confidently in the rain

IP66 Water Proof

WORRY-FREE

Effortless Six-Step Charging Method

Auto switch to maintenance mode when fully charged.

Worry-free charging all winter

14.5V 2A

Out put voltage

30W

Power Elf

LEAD
IN
OUT
V
NG

01 Soft Start

02 Battery Activation

03 Quick Charge

04 Medium Charge

05 Fully Charged

06 Maintenance Status

CHARGE

Fast 30W charging for phones and electronics

Connect to a 12V battery—charge phones and other devices via Type-C in OUT mode, even while riding.

Compatible communication protocol with PD、QC、AFC、FCP、SCP、PPS、Apple、BC1.2 and Samsung

Packaging List

○ ● ○

电池精灵
迷你双向充电器
使用说明书
使用前请仔细阅读手册并妥善保存，以备查阅

LLEAD
IN
OUT
18.8V

Product specifications

○ ● ○

IN Mode	
Input	Mobile phone chargers
	Power bank
	Portable power station,and other power supply devices
Output	DC 14.5V/ 2A （Require ⩾30W Charger or power supply devices）
	DC 14.5V/ 1.2A （Require 18W Charger or power supply devices）
	DC 14.5V/ 0.6A （Require 10W Charger or power supply devices）
Voltage limit	14.6V
Temperature range	Working: -10°C— 45°C, -50°F— 113°F
	Storage: -20°C— 60°C, -68°F— 140°F
Charging mode	Fully automatic
Suitable for batteries	12V Lead acid battery
	12.8V LiFePO4 lithium battery
OUT Mode	
Input	12V Lead acid battery
	12.8V LiFePO4 lithium battery
Output	5V_3A, 9V_3A, 12V_2.5A,15V_2A, 20V_1.5A, MAX 30W
Supported protocols	PD2.0\3.0\QC2.0\3.0\AFC\FCP\SCP\PPS\Apple\BC1.2\Samsung
Certificate	CE, FCC, RoHS