

DC/DC LiFePO4 battery charger

43.8V, 10A, 400W, IP68

Product codes:

Reference: WG-36C400L

EAN13: -

UPC: 85044090



Product features:

Input voltage: 10-36 V DC

Output voltage: 43.8 V DC

Output current: 10 A

Output power: 400 W

Waterproof grade: IP68

Lifetime: 100,000 hours

Product attributes:

Product description:

The WG-36C400L DC-DC charger is designed for reliable charging of lithium iron phosphate (LiFePO4) batteries with an output voltage of 43.8V. It offers high efficiency up to 96%, a robust design with an aluminum body and protection against water and dust thanks to IP65 protection. Thanks to advanced PWM technology, compact dimensions and a wide input voltage range, it is ideal for demanding mobile and stationary applications where safe and efficient charging is required.

Technical specifications

- **Input voltage range:** 10-36V DC
 - **Rated input voltage:** 12V/24V DC
 - **Output voltage:** 43.8V DC
 - **Output current:** 10A (constant)
 - **Maximum power:** 438W
 - **Efficiency:** 96% (@ 24V input)
 - **Waterproof:** IP65
 - **Ripple and noise:** 220-280mVp-p
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- **Working temperature:** -35°C ~ +80°C
- **Dimensions:** 200 × 77 × 30 mm (7.87 × 3.03 × 1.18 inches)
- **Weight:** ≤ 1.1 kg
- **Cooling:** Natural air circulation

Functions and features

- High efficiency up to 96% at 24V input
- Advanced PWM technology for stable and precise charging
- LED charging status indication (red - charging, green - fully charged)
- Complete protection: overvoltage, undervoltage, short circuit, overheating
- Epoxy potting compound for increased resistance to moisture and vibration
- Aluminum body for efficient heat dissipation and long life
- 100% full load testing in the production process
- Low-noise design for stable operation
- Compact dimensions allowing installation even in limited spaces

Ideal for

- Charging LiFePO4 batteries in vehicles, campers, boats or trailers
- Solar and island systems
- Industrial and mobile applications requiring reliable DC-DC charging
- Environments with higher humidity or dust thanks to IP65 protection

Package contents

- DC-DC charger WG-36C400L
- Connection cables (input: 10AWG, output: 12AWG) with M10/M8 eyelets, length 45 cm
- Instructions for use

Why choose this product?

- High efficiency with low energy losses
- Safe operation thanks to multi-level protection
- Durable and compact design suitable even for demanding environments
- Easy installation thanks to pre-prepared cables and compact dimensions
- Reliable operation even at extreme temperatures from -35 °C to +80 °C

Product gallery:

