

DC/DC LiFePO4 battery charger

14.6V, 30A, 400W, IP68

Product codes:

Reference: WG-12C400L

EAN13: -

UPC: 85044090



Product features:

Input voltage: 10-36 V DC

Output voltage: 14,6 V DC

Output current: 30 A

Output power: 400 W

Waterproof grade: IP68

Lifetime: 100,000 hours

Product attributes:

Product description:

The WG-12C400L professional DC-DC charger is the ideal choice for safe and efficient charging of lithium iron phosphate (LiFePO4) batteries. Thanks to advanced PWM technology, high efficiency and robust aluminum housing, it is suitable for a wide range of applications, including installations in vehicles, caravans, boats or solar systems. Protective functions and easy installation make it a reliable partner for all demanding users.

Technical specifications

- **Input voltage range:** 10-36V DC
 - **Rated input voltage:** 12V/24V DC
 - **Output voltage:** 14.6V DC
 - **Output current:** 30A (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 control technology
- LED charging status indication (red - charging, green - fully charged)
- Complete protection: against overvoltage, undervoltage, short circuit, overheating
- Epoxy potting compound for better moisture resistance
- Aluminum casing for efficient heat dissipation
- 100% burn-in at full load in production
- Low-noise design
- Compact dimensions and easy installation

Ideal for

- Charging LiFePO₄ (lithium) batteries in cars, RVs, boats and trailers
- Solar systems and island installations
- Industrial and mobile applications where stable DC-DC charging is required
- Use in environments with high humidity or dust thanks to IP65 protection

Package contents

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

Why choose this product?

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

Product gallery:

