

Waterproof lithium battery charger

58.4V 600W

Product codes:

Reference: WG-48C600S

EAN13: -

UPC: 85044090



Product features:

Input voltage: 100-265 V AC, 50/60 Hz

Output voltage: 58.4 V DC

Output current: 10 A

Output power: 600 W

Waterproof grade: IP68

Lifetime: 100,000 hours

Product attributes:

Product description:

Professional AC/DC charger WG-48C600S designed for lithium batteries (LiFePO₄, LiMn₂O₄). It offers an output voltage of 58.4V and a power of 600W with a high efficiency of up to 96%. Thanks to its robust, waterproof and dustproof design (IP65), it is suitable for use in e-bikes, scooters, boats, electric cars and other applications. The charger uses an intelligent CC/CV charging curve and provides a complete set of protections for maximum battery safety.

Technical specifications

- Model: WG-48C600S
 - Battery type: LiFePO₄, LiMn₂O₄
 - Input voltage: 90-265V AC, 50/60Hz
 - Output voltage: 58.4V \pm 0.2V DC
 - Output current: 10A \pm 3% (constant)
 - Output power: 600W
 - Charging mode: CC/CV (without trickle charging)
 - Efficiency: 94-96% at 230V / 92-94% at 110V
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- Power factor: PF>0.98 (115V), PF>0.95 (230V)
- Distortion and noise: ≤ 400 mVp-p
- Working temperature: -40°C to +60°C
- Waterproof: IP65
- Dimensions: 190 × 145 × 40 mm
- Weight: ≤ 2.1 kg
- Cables: input 1 m plug, output 1 m red/black
- Cooling: natural convection (without fan)
- Lifespan (MTBF): $\geq 100,000$ hours

Functions and features

- Intelligent CC/CV charging for lithium batteries
- Full charging current and efficiency up to 95%
- Protection against short circuit, overvoltage, overload and overheating
- Automatic recovery after overload
- Backflow protection
- LED status indicator (red = charging, green = fully charged)
- Waterproof, dustproof and shockproof design
- Natural cooling - quiet operation
- Safety standards: GB4943/EN60950
- EMC: CE & RE EN55022-Class B, EN/IEC 61000-4-2/3/6

Ideal for

- Electric bikes and electric scooters
- Electric motorcycles and quads
- Caravans and motorhomes (RVs)
- Boats and ships
- Industrial and solar applications

Package contents

- Charger WG-48C600S 58.4V 600W
- Packaging in a cardboard box

Why choose this product?

- Optimized for lithium batteries (LiFePO₄, LiMn₂O₄)
 - Advanced protection and high efficiency
 - IP65 - water and dust resistance
 - Reliable operation even at -40 °C
 - Compact dimensions and low weight
 - LED indication for easy monitoring of charging
 - Long service life (MTBF $\geq 100,000$ h)
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Product gallery:

