

# Power supply socket 36V, 2A, 5.5x2.1mm, lead acid battery charger

Reference: AM2744  
EAN13: -  
HS code: 85044090



## Product attributes:

## Product features:

Input voltage: 100-240 V AC, 50/60 Hz  
Output voltage: 42 V DC  
Output current: 2 A  
Output power: 84 W  
Cable length: 120 cm  
Connector: 5.5x2.1 mm  
Waterproof grade: IP22

## Product description:

Intelligent mains charger designed for **36V lead-acid batteries** with a final charging voltage of **43.2 V**. It uses automatic CC/CV charging mode, LED status indication and a complete set of protection features. Thanks to the wide input range of 100–240 V AC, it is suitable for universal use in Europe and other regions.

## Technical specifications

- Input voltage: 100-240V AC, 50/60Hz
- Output voltage: 36 V DC (charging voltage 43.2 V)
- Output current: 2 A
- Maximum power: 84W
- Connector: XLR 3-pin (polarity: pin 1 +, pin 2 –)
- Connector diameter: 18 mm
- Status indication: red (charging), green (fully charged)
- Operating temperature: up to 60 °C
- Housing: ABS plastic, self-extinguishing
- Color: black
- Protection: IP20
- Weight: 420g

## Functions and features

- Automatic CC/CV charging mode for gentle charging
- Fully automatic termination of charging when full state is reached
- LED indication of charging progress and completion
- Overvoltage Protection (OVP)
- Overcurrent Protection (OCP)
- Overload Protection (OLP)
- Short Circuit Protection (SCP)
- Slow current ramp-up for longer battery life

## Ideal for

- 36 V lead-acid batteries (e.g. electric scooters, wheelchairs, backup power supplies)
- Service and maintenance charging of SLA / AGM / GEL batteries
- Home and professional use

## Instructions for use

- Before starting charging, check that the charger is designed for a 36V lead-acid battery with a charging voltage of 43.2V.
- First connect the charger connector to the battery, then plug the charger into a 230 V mains socket.
- Once connected, the red LED will light up to indicate charging is in progress.
- Once the battery is fully charged, the LED will turn green.
- After charging is complete, first unplug the charger from the mains and then disconnect the connector from the battery.
- Only use the charger in a dry and well-ventilated environment.
- The charger is intended for use with lead-acid batteries (SLA, AGM, GEL) only. Do not use it for lithium-ion or LiFePO<sub>4</sub> batteries.

## Package contents

- 1× charger 36 V / 2 A
- 1× EU power cord

## Why choose this product?

- Optimized directly for 36V lead-acid batteries
- Safe operation thanks to complete protection of electronics and battery
- Easy to use with no setup required
- Compact dimensions and low weight
- Reliable XLR connector with fixed polarity

