

# 14.4V 4A Lead Acid Battery Charger for 12V SLA / AGM / GEL Batteries

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Technical Datasheet

Phonix Charger – Industrial Battery Charger Manufacturer

<https://phonixcharger.com>

## Product Overview

This technical datasheet describes the 14.4V 4A lead-acid battery charger designed for charging 12V sealed lead acid batteries including SLA, AGM, GEL, VRLA and WET lead-acid batteries. The charger uses a multi-stage charging process (Pre-charge, Constant Current, Constant Voltage and Automatic Cut-off) to ensure safe and efficient battery charging.

## Key Features

- Multi-stage charging: Pre-charge, CC, CV and automatic cut-off
- Compatible with SLA, AGM, GEL, VRLA and wet lead-acid batteries
- Wide AC input range 100-240V
- LED charging status indicator
- Multiple protections: OVP, OCP, short circuit and reverse protection
- High efficiency design  $\geq 86\%$
- Industrial compact design

## Technical Specifications

Parameter	Specification
Brand	Phonix
Model	FX1443000
AC Input	100~240V, 50/60Hz
Input Voltage Range	90~264V
Rated Input Current	1.0A RMS
Max Input Power	60W
DC Output Voltage	14.4V
Output Voltage Range	12V ~ 14.4V
Charging Current	4A $\pm 10\%$
Charging Voltage	14.4V $\pm 0.2V$
Pre-charge Current	0.4A ( $\leq 10.8V$ battery)
Charge End Current	$\leq 0.6A \pm 10\%$
Battery Type	12V Lead Acid (SLA / AGM / GEL / VRLA / WET)
Efficiency	$\geq 86\%$

Ripple Voltage	≤150mV
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 95% RH
Cooling	Natural cooling
Size	120*49*35mm
Weight	450 g
Safety Certifications	CE / UL / TUV / FCC / PSE / CCC
MTBF	30000 Hours

### Typical Applications

- 12V sealed lead acid battery charging
- Backup power systems
- Security and alarm systems
- Emergency lighting batteries
- Industrial electronic equipment

### Manufacturer Information

#### Manufacturer Information

Manufacturer: Phonix

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#### Product Page:

<https://phonixcharger.com/14-4v-4a-lead-acid-battery-smart-charger-for-12v-sla-agm-gel-battery-packs/>

Official Website: <https://phonixcharger.com>

