

29.2V 4A Lead Acid Battery Charger for 24V SLA / AGM / GEL Batteries

Technical Datasheet

Phonix Charger – Industrial Battery Charger Manufacturer

<https://phonixcharger.com>

Product Overview

This technical datasheet describes a 29.2V 4A lead-acid battery charger designed for charging 24V sealed lead-acid battery packs. The charger is compatible with a wide range of 24V lead-acid batteries including SLA (Sealed Lead Acid), AGM, GEL, VRLA and WET batteries.

With a stable 29.2V charging voltage, the unit is commonly used as a 24V SLA battery charger and is also suitable for 24V AGM and GEL battery systems in various industrial applications.

The charger uses a multi-stage charging process including Pre-charge, Constant Current (CC), Constant Voltage (CV) and automatic cut-off to ensure safe, stable and efficient battery charging. This charging method helps maintain reliable battery performance and extend battery service life.

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
- OEM / ODM customization available

Technical Specifications

Parameter	Specification
Brand	Phonix
Model	FX2924000
AC Input	100~240V, 50/60Hz
Input Voltage Range	AC 90~264V
Rated Input Current	1.5A
Max Input Power	136W
DC Output Voltage	DC 29.2V
Output Voltage Range	DC 24V ~ 29.2V
Charging Current	4A $\pm 10\%$
Charging Voltage	29.2V $\pm 0.2V$
Pre- charge Current	0.4A ($\leq 21.6V$ battery)
Charge End Current	$\leq 0.4A \pm 10\%$
Output Max Power	116.8W
Battery Type	24V Lead Acid (SLA / AGM / GEL / VRLA / WET)
Efficiency	$\geq 86\%$
Ripple Voltage	$\leq 240mV$
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 95% RH
Cooling	Natural cooling
Size	154*60*36mm
Weight	450 g
Safety Certifications	CE / UL / TUV / FCC / PSE / CCC
MTBF	30000 Hours

Typical Applications

- 24V sealed lead acid battery charging
- Backup power systems
- Security and alarm systems
- Emergency lighting batteries
- Industrial electronic equipment

Manufacturer Information

Manufacturer: Phonix

Whatsapp: +86-19124269133

Email: sales@phonixcharger.com

Product Page:

<https://phonixcharger.com/29-2v-4A-lead-acid-battery-charger-for-24v-battery-packs/>

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

