

86.4V 2A Lead Acid Battery Charger for 72V SLA / AGM / GEL Batteries

Technical Datasheet

Phonix Charger – Industrial Battery Charger Manufacturer

<https://phonixcharger.com>

Product Overview

This technical datasheet describes a 86.4V 2A 173W lead-acid battery charger designed for charging 72V sealed lead-acid battery packs. The charger is compatible with a wide range of 72V lead-acid batteries including SLA (Sealed Lead Acid), AGM, GEL, VRLA and WET batteries.

With a stable 86.4V charging voltage, the unit is commonly used as a 72V SLA battery charger and is also suitable for 72V 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 $\geq 85\%$
- Industrial compact design
- OEM / ODM customization available

Technical Specifications

Parameter	Specification
Brand	Phonix
Model	FX8642000
AC Input	100~240V, 50/60Hz
Input Voltage Range	AC 90~264V
Rated Input Current	1.9A at 100Vac input
Max Input Power	190W
DC Output Voltage MAX	DC 86.4V
Output Voltage Range	DC 72V ~ 86.4V
Charging Current	2A ±10%
Charging Voltage	86.4V±0.2V
Pre- charge Current	0.2A
Charge End Current	≤0.2A ±10%
Output Max Power	173W
Battery Type	72V Lead Acid (SLA / AGM / GEL / VRLA / WET)
Efficiency	≥85%
Ripple Voltage	≤700mV
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 95% RH
Cooling	Natural cooling
Size	178*80*46mm
Weight	800g
Safety Certifications	CE / UL / TUV / FCC / PSE / CCC
MTBF	30000 Hours

Typical Applications

- 72V sealed lead acid battery charging
- Backup power systems
- Security and alarm systems
- Emergency lighting batteries
- Industrial electronic equipment
- Custom 72V - 86.4V Lead acid battery (SLA) battery charger

Manufacturer Information

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Product Page:

<https://phonixcharger.com/86-4v-2a-lead-acid-battery-charger-for-72v-battery-packs/>

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

