

57.6V 2A Lead Acid Battery Charger for 48V SLA / AGM / GEL Batteries

Technical Datasheet

Phonix Charger – Industrial Battery Charger Manufacturer

<https://phonixcharger.com>

Product Overview

This technical datasheet describes a 57.6V 2A 120W lead-acid battery charger designed for charging 48V sealed lead-acid battery packs. The charger is compatible with a wide range of 48V lead-acid batteries including SLA (Sealed Lead Acid), AGM, GEL, VRLA and WET batteries.

With a stable 57.6V charging voltage, the unit is commonly used as a 48V SLA battery charger and is also suitable for 48V 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 $\geq 88\%$
- Industrial compact design
- OEM / ODM customization available

Technical Specifications

Parameter	Specification
Brand	Phonix
Model	FX5762000
AC Input	100~240V, 50/60Hz
Input Voltage Range	AC 90~264V
Rated Input Current	1.28A at 100Vac input
Max Input Power	128W
DC Output Voltage MAX	DC 57.6V
Output Voltage Range	DC 48V ~ 57.6V
Charging Current	2A $\pm 10\%$
Charging Voltage	57.6V $\pm 0.2V$
Pre- charge Current	0.2A
Charge End Current	$\leq 0.2A \pm 10\%$
Output Max Power	116.8W
Battery Type	48V Lead Acid (SLA / AGM / GEL / VRLA / WET)
Efficiency	$\geq 88\%$
Ripple Voltage	$\leq 500mV$
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 95% RH
Cooling	Natural cooling
Size	154*60*36mm
Weight	450g
Safety Certifications	CE / UL / TUV / FCC / PSE / CCC
MTBF	30000 Hours

Typical Applications

- 48V sealed lead acid battery charging
- Backup power systems
- Security and alarm systems
- Emergency lighting batteries
- Industrial electronic equipment
- Custom 48V - 57.6V Lead acid battery (SLA) battery charger

Manufacturer Information

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Product Page:

<https://phonixcharger.com/57-6v-2a-lead-acid-battery-charger-for-48v-battery-packs/>

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

