

0-15V DC Adjustable Voltage 0-100A Adjustable Current LiFePO4 Battery Charger 1500W for LFP Cells Technical Datasheet

Phonix Charger – Custom Smart Battery Charger Manufacturer

LiFePO4 Battery Charger: <https://phonixcharger.com/lifepo4-battery-charger/>

Product Overview

This technical datasheet describes a 0-15V DC Adjustable Voltage 0-100A Adjustable Current 1500W LiFePO4 Battery Charger designed for charging LiFePO4 battery packs. The charger provides stable constant current and constant voltage charging optimized for LiFePO4 battery chemistry.

The 0-15V DC Adjustable Voltage 0-100A Adjustable Current LiFePO4 Battery Charger is suitable for industrial equipment, backup power systems, alarm systems, and other devices powered by single-cell 9.6V LFP batteries. The charger follows a safe multi-stage charging profile including pre-charge, constant current (CC), constant voltage (CV), and automatic charge termination.

Phonix provides OEM and ODM solutions for custom battery charging systems. As a [Custom](#) Battery Charger manufacturer, Phonix also offers custom smart charger design services for [lithium](#), [LiFePO4](#), [lead-acid](#), and [NiMH](#) battery applications.

Key Features

- Multi-stage charging: Pre-charge, CC, CV and automatic cut-off
- Designed for LiFePO4 battery packs
- Wide AC input range 100 ~ 240V AC
- LED charging status indicator
- Multiple protections: OVP, OCP, short circuit and reverse protection
- High efficiency design $\geq 92\%$

- Industrial compact design
- OEM / ODM customization available

Technical Specifications

Parameter	Specification
Brand	Phonix
Model	FX11105000
AC Input	100~240V, 50/60Hz
Input Voltage Range	AC 90~264V
Rated Input Current	1.5A at 100Vac input
Max Input Power	1650W
DC Output Voltage MAX	DC 0-15V DC Adjustable Voltage
Output Voltage Range	DC 0-15V DC Adjustable Voltage
Charging Current	0-100A Adjustable Current
Charging Voltage	0-15V DC Adjustable Voltage
Pre-charge Current	1A
Charge End Current	$\leq 1A \pm 10\%$
Output Max Power	1500W
Battery Type	LiFePO ₄ (4S 12.8V nominal)
Efficiency	$\geq 92\%$
Ripple Voltage	≤ 500 mV
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-40°C ~ +70°C

Parameter	Specification
Humidity	0 ~ 95% RH
Cooling	Natural cooling
Size	235*97*56mm
Weight	2200g
Safety Certifications	CE / UL / TUV / FCC / PSE / CCC
MTBF	40000 Hours

Typical Applications

- LiFePO4 battery packs
- Backup power systems
- Security and alarm systems
- Emergency lighting batteries
- Industrial electronic equipment
- OEM / ODM custom smart LiFePO4 Battery (LFP) battery charger

Manufacturer Information

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Product Page:

<https://phonixcharger.com/0-15v-adjustable-voltage-0-100a-adjustable-current-lifepo4-smart-battery-charger/>

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



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