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## 48 VOLT LITHIUM BATTERY CHARGER

### 58.4 Volt / 30 Amp Lithium Battery Charger with LCD Display

Designed for single phase, standard wall plug (110/120V) for charging 48V (51.2V) LiFePO4 Lithium Batteries

#### ■ Product Picture/Drawing



#### ■ Specification

Compatible with	LiFePO4 Battery
Working voltage (CV)	58.4Vdc
Working current (CC)	30A
AC voltage	100Vac-130Vac / 200Vac-260Vac
Frequency	50Hz-60Hz
Input connector/plug standards	US/EU/AU/IT/UK/CH/BR/IL/JP/ZA/IN optional
Input cable length	1.5m
Output cable length	1.5m
Output connector	Anderson/DC/XT60/XT90/M4-M10 Lug, etc..
LCD display	YES, shows voltage current and charging situation
Charger Case	Aluminum housing, with handle
Dimension	260*175*95mm
Net Weight	4.44kg
Color	Silver or Black
Waterproof	NO
Standard environmental condition	Ambient temperature: -20°C ~ +60°C
	Humidity: 5%-95%RH
	Max. altitude: 3000 meters
Power (W)	2000W
Applications/Used at	E-bike, Electric lawn mower etc. power products
Warranty (from shipping date)	12 months



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## 36 VOLT LITHIUM BATTERY CHARGER

### 43.8 Volt / 40 Amp Lithium Battery Charger with LCD Display

Designed for single phase, standard wall plug (110/120V) for charging 36V (38.4V) LiFePO4 Lithium Batteries

#### ■ Product Picture/Drawing



#### ■ Specification

Compatible with	LiFePO4 Battery
Working voltage (CV)	43.8Vdc
Working current (CC)	40A
AC voltage	100Vac-130Vac / 200Vac-260Vac
Frequency	50Hz-60Hz
Input connector/plug standards	US/EU/AU/IT/UK/CH/BR/IL/JP/ZA/IN optional
Input cable length	1.5m
Output cable length	1.5m
Output connector	Anderson/DC/XT60/XT90/M4-M10 Lug, etc..
LCD display	YES, shows voltage current and charging situation
Charger Case	Aluminum housing, with handle
Dimension	260*175*95mm
Net Weight	4.44kg
Color	Silver or Black
Waterproof	NO
Standard environmental condition	Ambient temperature: -20°C ~ +60°C
	Humidity: 5%-95%RH
	Max. altitude: 3000 meters
Power (W)	2000W
Applications/Used at	E-bike, Electric lawn mower etc. power products
Warranty (from shipping date)	12 months



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## 24 VOLT LITHIUM BATTERY CHARGER

### 29.2 Volt / 50 Amp Lithium Battery Charger with LCD Display

Designed for single phase, standard wall plug (110/120V) for charging 24V (25.6V) LiFePO4 Lithium Batteries

#### ■ Product Picture/Drawing



#### ■ Specification

Compatible with	LiFePO4 Battery
Working voltage (CV)	29.2Vdc
Working current (CC)	50A
AC voltage	100Vac-130Vac / 200Vac-260Vac
Frequency	50Hz-60Hz
Input connector/plug standards	US/EU/AU/IT/UK/CH/BR/IL/JP/ZA/IN optional
Input cable length	1.5m
Output cable length	1.5m
Output connector	Anderson/DC/XT60/XT90/M4-M10 Lug, etc..
LCD display	YES, shows voltage current and charging situation
Charger Case	Aluminum housing, with handle
Dimension	260*175*95mm
Net Weight	4.44kg
Color	Silver or Black
Waterproof	NO
Standard environmental condition	Ambient temperature: -20°C ~ +60°C
	Humidity: 5%-95%RH
	Max. altitude: 3000 meters
Power (W)	2000W
Applications/Used at	E-bike, Electric lawn mower etc. power products
Warranty (from shipping date)	12 months



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## 12 VOLT LITHIUM BATTERY CHARGER

### 14.6 Volt / 50 Amp Lithium Battery Charger with LCD Display

Designed for single phase, standard wall plug (110/120V) for charging 24V (25.6V) LiFePO4 Lithium Batteries

■ Product Picture/Drawing



■ Specification

Compatible with	LiFePO4 Battery
Working voltage (CV)	14.6Vdc
Working current (CC)	50A
AC voltage	100Vac-130Vac / 200Vac-260Vac
Frequency	50Hz-60Hz
Input connector/plug standards	US/EU/AU/IT/UK/CH/BR/IL/JP/ZA/IN optional
Input cable length	1.5m
Output cable length	1.5m
Output connector	Anderson/DC/XT60/XT90/M4-M10 Lug, etc..
LCD display	YES, shows voltage current and charging situation
Charger Case	Aluminum housing, with handle
Dimension	260*175*95mm
Net Weight	4.44kg
Color	Silver or Black
Waterproof	NO
Standard environmental condition	Ambient temperature: -20°C ~ +60°C
	Humidity: 5%-95%RH
	Max. altitude: 3000 meters
Power (W)	2000W
Applications/Used at	E-bike, Electric lawn mower etc. power products
Warranty (from shipping date)	12 months



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## ■ Features

All aluminum case, black and silver optional

High efficiency  $\geq 90\%$ , Eco-friendly

Silent cooling fan, good heat dissipation

3 or 2 stage charging mode: CC CV floating

Multi-functions protection: over voltage, over current, over temperature, short circuit, reverse polarity etc.

Two LED indicator lights: LED1 red-power on charging; LED2 green-full charged

## ■ Input connector/plug standards



## ■ Output connector options





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#### ■ NOTICE before use

Please use the charger in accordance with the parameters and connections in the manual.  
Do not disassemble it! Or we will not be liable for the resulting loss.

# High voltage inside the case, may cause harm to the human body.  
If the charger fails, please contact us.  
Users and non-professional maintenance staff is forbidden to open the charger.

# Charger should not be used where in damp, water, direct sunlight or near heat sources.

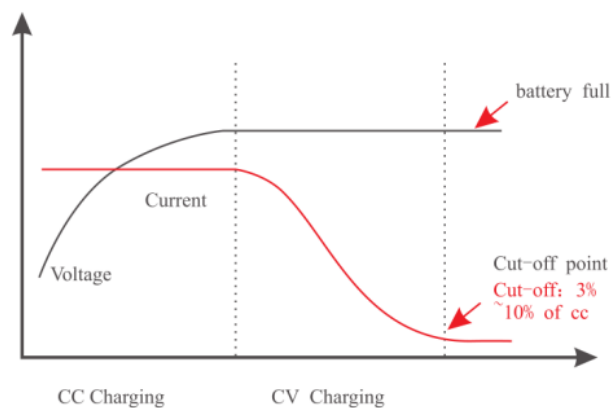
# Charger should be used where clean and well ventilated.  
Don't sheltered inlet or outlet during charging.  
Make sure that both inlet and outlet have air space of at least 10cm.

# Charger should be used to prevent children closer and touch.

# Is prohibited that the charger used or stored near flammable, explosive goods.

# While cleaning the charger please do not wash with water.  
We recommend using a clean rag dipped a small amount of alcohol.

#### ■ Charge curve





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#### ■ Protect Characteristics

##### # Output Over Voltage Protection

When the charger output voltage exceeds the maximum charging voltage, the charger enters the standby state protection. It will restore to normal working condition automatically after troubleshooting.

##### # Output Over Current Protection

When the charger output current exceeds the maximum charging current, the charger enters the over current protection status. It will restore to normal working condition automatically after troubleshooting.

##### # Short Circuit Protection

When the charger has short circuit at output, the charger enters short-circuit protection status. It will restore to normal working condition automatically after troubleshooting.

##### # Reverse Polarity Protection

When the charger output positive negative pole and battery pack are connected in reverse, the internal relay of the charger is not sucked and there is no voltage current at the output terminal of the charger. After the correct connection, the charger can be charged normally.

##### # Over-Temperature protection

When charger internal temperature exceed  $85^{\circ}\text{C}$  ( $\pm 5$ ) , it will be Into the over-temperature protection state and the cuts off output .When the temperature returns to  $75^{\circ}\text{C}$  ( $\pm 5$ ) , the charge is restored again.

