

Professional OEM
Manufacturer of Battery Powered Welder
and Battery Powered Generator

Manufacturer of Battery Powered Welder and Battery Powered Generator

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JINHUA ENSURE NEW-ENERGY TECHNOLOGY CO., LTD





About Us

Jinhua Ensure New-Energy Technology Co., Ltd has strong R&D team, with rich product development experience, sophisticated production equipment, advanced testing instruments, and perfect testing methods.

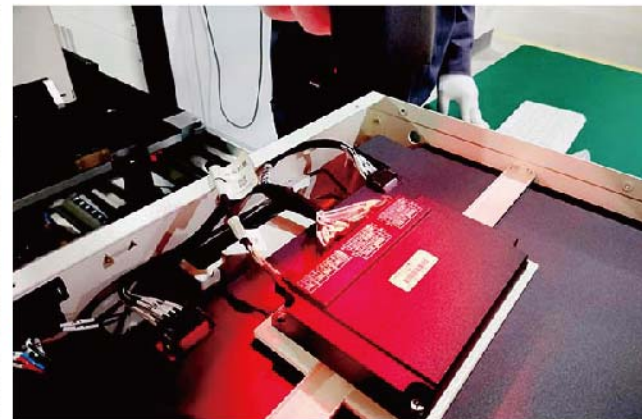
In the field of cordless inverter welders and industrial battery power stations, we have a number of invention patents, which have been made us the leading supplier for battery powered welder and industrial power station. Our li-ion cordless inverter welders products are widely used in mining, construction, steel industry, service truck, agricultural, ships, as well as bridges, perfect for welding in remote locations, construction sites, and highly suitable for welding in electrically hazardous environment. The customer groups of industrial battery power stations are concentrated in various scenarios such as power supply enterprises, emergency rescue, medical treatment, disaster prevention and mitigation and construction. At present, our products have obtained CCC, CE, MSDS, UN38.3 certification, stable product quality and professional sales team have won widespread admiration in Europe, South America, North America, the Middle East and China. At the same time, we are also cooperating with some overseas customers to provide them with customized product design and development services.

Small steps get us to faraway places. After several years of development, we have a relatively deep understanding of new energy-related products. In the future, we will strive to develop more stable products that meet customer needs. We warmly welcome all visionary friends to visit our company for guidance and make common plans.

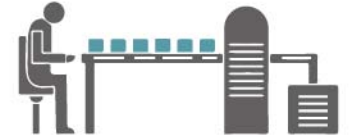
Certificate



Research, Development and Quality Control



Production Workshop



AK-330

Built-in Battery Powered Welder 150A



Description

Innovative, battery-powered welding equipment, ideal for those jobs where portability is essential and no power supply is available in the work area.

Applications

AK-330 cordless welder are widely used in mining, construction, steel industry, service truck, agricultural, ships, as well as bridges, perfect for welding in remote locations, construction sites, and highly suitable for welding in electrically hazardous environment.

Accessories included

Battery Charger 8A Charging Cable Welding Connectors
Heavy-duty welding holder (Optional)
Heavy-duty earth clamp (Optional)

Main Technical Variables

Battery Specifications	
Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 48 V
Battery capacity	865 Wh
Battery cooling	Air (2 x automatic air fans)
Welding Specifications	
Output current	10-150 A
Suitable electrode diameter	1.6-3.2 mm
Duty Cycle	100 % @ 150 A
Pieces 2.5mm electrode	23 pieces
Pieces 3.2mm electrode	11 pieces
Charger Specifications	
Charger voltage	AC100-240 V 50/60 Hz
Charger output	54.6 V (8 A)
Charging time	± 2.5 hours
Charging cycles	2000 (capacity > 80 %)



Main Advantages

Built-in 865Wh li-ion battery pack, heavy duty design. 3.25mm electrode can weld up to 23 pieces, 2.5mm electrode can weld up to 11 pieces.

Max output current 150A, duty cycle 100%.

International brand battery cells, BMS control, safe and reliable in quality.

Hot start & Arc Force functions

Easy to read battery level indicator

Intelligent ventilation system(eco fan)

CE approval

12 months warranty

Welding rod



Electrode 2.5mm
23 pieces



Electrode 3.2mm
11 pieces

Working Temperatures	
Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C
Dimensions and Weight	
Dimensions (L x W x H)	375 x 178 x 300 mm
Weight	11.5 kg
Other	
Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycles Whichever comes first.

AK-370

Built-in Battery Powered Welder 150A



Description

Innovative, battery-powered welding equipment, ideal for those jobs where portability is essential and no power supply is available in the work area.

Applications

AK-370 cordless welder are widely used in mining, construction, steel industry, service truck, agricultural, ships, as well as bridges, perfect for welding in remote locations, construction sites, and highly suitable for welding in electrically hazardous environment.

Accessories included

Battery Charger 15A Charging Cable Welding Connectors
Heavy-duty welding holder (Optional)
Heavy-duty earth clamp (Optional)

Main Technical Variables

Battery Specifications	
Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 48 V
Battery capacity	2400 Wh
Battery cooling	Air (2 x automatic air fans)
Welding Specifications	
Output current	10-150 A
Suitable electrode diameter	1.6-3.2 mm
Duty Cycle	100 % @ 150 A
Pieces 2.5mm electrode	85 pieces
Pieces 3.2mm electrode	41 pieces
Charger Specifications	
Charger voltage	AC100-240 V 50/60 Hz
Charger output	54.6 V (15 A)
Charging time	± 3.5 hours
Charging cycles	1,500 (capacity > 80 %)



Main Advantages

Built-in 2400Wh li-ion battery pack, heavy duty design. 3.25mm electrode can weld up to 41 pieces, 2.5mm electrode can weld up to 85 pieces.

Max output current 150A, duty cycle 100%.

International brand battery cells, BMS control, safe and reliable in quality.

Hot start & Arc Force functions

Easy to read battery level indicator

Intelligent ventilation system(eco fan)

CE approval

12 months warranty

Welding rod



Electrode 2.5mm
85 pieces



Electrode 3.2mm
41 pieces

Working Temperatures	
Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C
Dimensions and Weight	
Dimensions (L x W x H)	460 x 210 x 350 mm
Weight	22.5 kg
Other	
Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycles Whichever comes first.

ES-3000

Battery Powered Welder 200A

(With AC 220V 3500W Electricity Power Supply Function)



Description

Innovative, battery-powered welding equipment, ideal for those jobs where portability is essential and no power supply is available in the work area.

Applications

With battery powered welder ES-3000, welding jobs like repair welding in the mountains, installations in the countryside or welding operations at exposed locations become much easier than ever before. After fully charging, it can weld 68 pieces of 3.25 mm electrodes or 42 pieces of 4.0mm electrodes. Besides, ES-3000 can deliver AC 220V 3500W electricity power for various types of power tools such as cut-off machine, demolition hammer, air compressor and other home appliances

Features

Completely Battery Powered

Internal built in 3848Whr 72 V lithium ion battery power pack, meets the welding demands and electricity power supply needs of common power tools and other construction equipment.

Heavy Duty Design

3.25mm electrodes can weld up to 68 pieces. 4.0mm electrodes can weld up to 42 pieces.
AC 220V(110V optional) 3500W(surge power 7000W) power supply.

Hot-start & Arc Force

Both functions ensures easy welding and excellent welding performance.

Safety & Reliability

Ultra safe lithium battery , battery unit we are using CATL brand, supplier of BMW, Volkswagen, TOYOTA, JAGUAR and VOLVO.

Intelligent

Battery power indicator
Under-voltage, over-heating alarm.

Quick Charging

Equipped with high efficiency battery charger, charging time 4.0-4.5 hours only.

Warranty

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost.



Main Technical Variables

Power Specifications

Rated output voltage	AC 220 V 50 Hz
Socket specification	1 x EU type F (grounded) IP44 1 x CEE type Socket 16A

Rated output power	Max. 3,500 W
Surge power	Max. 7,000 W
Overload protection	(20 A)

Battery Specifications

Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 72 V
Battery capacity	3848 Wh
Battery cooling	Air (4 x automatic air fans)

Welding Specifications

Output current	10-200A
Suitable electrode diameter	1.6-4.0mm
Pieces 4.0mm electrode	42 pieces
Pieces 3.2mm electrode	68 pieces

Charger Specifications

Charger voltage	AC 200-240 V 50/60 Hz
Charger output	72 V (20 A)
Charging time	± 4.5 hours
Charging cycles	1,500 (capacity > 80%)

Working Temperatures

Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C

Dimensions and Weight

Dimensions (L x W x H)	590 x 380 x 530 mm
Weight	51 kg

Other

Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Welding rod



Electrode 2.5mm
137 pieces



Electrode 3.2mm
68 pieces



Electrode 4.0mm
42 pieces

Demonstration



ES-5000/ES-5000 PLUS

Battery Powered Welder 200A

(With AC 220V 4000W Electricity Power Supply Function)



Description

Heavy-duty design battery powered welding equipment, battery capacity 8362/13690Wh, ideal solution for petrochemical maintenance, tunnel maintenance, mining field and places where is electrically hazardous

Applications

Maintenance applications, repair welding, on-site welding, installation works & many more jobs call for a battery powered welding machine. Compared with traditional engine-driven welding generators, ES-5000/ES-5000 PLUS is zero emissions, noise-free, low cost in daily use, free of maintenance, environmental-friendly as well as easy to operate. Except for welding function, AC 220V 4000W continuous power supply can be supplied for power tools, construction equipment and other electric appliances

Features

Battery Powered

Completely battery-powered system, no long power cords, heavy cables or generators necessary

Heavy Duty Design

Battery capacity up to 8362/13690Wh, max power output 4000W(Surge power 8000W)

Welding Function Mma & Lift Tig

Welding Function MMA & LIFT TIG, cellulose electrodes & low hydrogen electrodes available

Safety & Reliability

Internal lithium battery cells we are working with CATL, CATL battery cells widely used in car industry, main customer including many famous brands such as BMW, Volkswagen, Toyota and Audi. Battery power system matters a lot in battery welder, we tried many different suppliers and finally we found CATL is the best choice for our welder

Eco-friendly & Noise Free & Emission Free

Compared with traditional engine-driven generators, ES-5000/ES-5000 PLUS is surely eco-friendly and noise free and emission free. Besides, comparing the cost of gasoline and electricity, power station is the best choice

Intelligent

Battery power indicator Under-voltage, over-heating alarm

Quick Charging

Equipped with high efficiency battery charger, charging time 5.0 hours only

Warranty

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost

Main Technical Variables

Power Specifications

Rated output voltage	AC 220 V 50 Hz
Socket specification	1 x EU type F (grounded) IP44 1 x CEE type Socket 16A
Rated output power	Max. 4,000 W
Surge power	Max. 8,000 W
Overload protection	(20 A)

Battery Specifications

Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 72 V
Battery capacity	8362 Wh / 13690 Wh
Battery cooling	Air (4 x automatic air fans)

Welding Specifications

Output current	10-200A
Suitable electrode diameter	1.6-5.0mm
Pieces 4.0mm electrode	91 pieces / 143 pieces
Pieces 3.2mm electrode	148 pieces / 242 pieces

Charger Specifications

Charger voltage	AC 200-240 V 50/60 Hz
Charger output	84 V (30 A)
Charging time	± 5.0 hours / ± 5.5 hours
Charging cycles	1,500 x (capacity > 80%)

Working Temperatures

Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C

Dimensions and Weight

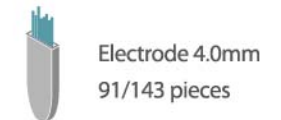
Dimensions (L x W x H)	750 x 635 x 630 mm 878 x 726 x 718 mm
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Weight	80 kg / 130 kg
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Other

Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Welding rod



Demonstration



ES-6000/ES-6000 PLUS

Battery Powered Welder 200A

(With AC 220V/380V 4000W/5500W Electricity Power Supply Function)



Description

Heavy-duty design battery powered welding equipment, battery capacity 20720Wh, ideal solution for petrochemical maintenance, tunnel maintenance, mining field and places where is electrically hazardous

Applications

Maintenance applications, repair welding, on-site welding, installation works & many more jobs call for a battery powered welding machine. Compared with traditional engine-driven welding generators, ES-6000/ES-6000 PLUS is zero emissions, noise-free, low cost in daily use, free of maintenance, environmental-friendly as well as easy to operate. Except for welding function, AC 220V/380V 4000W/5500W continuous power supply can be supplied for power tools, construction equipment and other electric appliances

Features

Battery Powered

Completely battery-powered system, no long power cords, heavy cables or generators necessary

Heavy Duty Design

Battery capacity up to 20720Wh, max power output 4000W/5500W(Surge power 8000W/11000W)

Welding Function Mma & Lift Tig

Max output current 200A, suitable for electrode diameter 2.5mm-5.0mm. Both cellulose and low hydrogen electrodes can be used

Safety& Reliability

Internal lithium battery cells we are working with CATL, CATL battery cells widely used in car industry, main customer including many famous brands such as BMW, Volkswagen, Toyota and Audi. Battery power system matters a lot in battery welder, we tried many different suppliers and finally we found CATL is the best choice for our welder

Eco-friendly & Noise Free & Emission Free

Compared with traditional engine-driven generators, ES-6000/ES-6000 PLUS is surely eco-friendly and noise free and emission free. Besides, comparing the cost of gasoline and electricity, power station is the best choice

Intelligent

Battery power indicator Under-voltage, over-heating alarm

Quick Charging

Equipped with high efficiency battery charger, charging time 6.0 hours only

Warranty

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost

Main Technical Variables

Power Specifications	
Rated output voltage	AC 220V & AC 380V 50 Hz
Socket specification	1 x EU type F (grounded) IP44 1 x CEE type Socket 16A
Rated output power	Max. 4,000 W (AC 220V) Max. 5,500 W (AC 380V)
Surge power	Max. 8,000 W (AC 220 V) Max. 11,000 W (AC 380 V)
Overload protection	(20 A)
Battery Specifications	
Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 72 V
Battery capacity	20720 Wh
Battery cooling	Air (4 x automatic air fans)
Welding Specifications	
Output current	10-200A
Suitable electrode diameter	1.6-5.0mm
Pieces 4.0mm electrode	224 pieces
Pieces 3.2mm electrode	380 pieces

Charger Specifications	
Charger voltage	AC 200-240 V 50/60 Hz
Charger output	84 V (30 A)
Charging time	± 6.5 hours
Charging cycles	1,500 x (capacity > 80%)
Working Temperatures	
Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C
Dimensions and Weight	
Dimensions (L x W x H)	980 x 730 x 820 mm
Weight	198 kg / 238 kg
Other	
Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Welding rod



Demonstration



PS-4800

Battery Powered Generator 3500w

(Heavy-duty Design 2405wh Battery Powered Generator 3500w)



Applications

PS-4800 is portable design battery powered generator with weight only 26kgs, compared with engine-driven generator, its advantages including free of noise, no emissions, no need of maintenance, environmental-friendly and lower cost in daily use, with output voltage 220V (110V optional) continuous power 3500W, PS-4800 is able to supply power for tools like angle grinder, marble cutter, rotary hammer, air compressor and other home appliances rated power less than 3500W

Features

Completely Battery Powered

Internal built in 2405Wh 48 V lithium ion battery power pack, meets the demands of common power tools and other construction or site equipment

Eco-friendly & Noise Free & Maintenance Free

Compared with traditional generators, advantages of PS-4800 are eco-friendly, noise free, maintenance free and easy to operate. Besides, comparing the cost of gasoline and electricity, power station is better choice

Heavy Duty Design

Continuous Output power up to 3500W, surge power up to 7000W

POWER ANYWHERE, HIGHLY PORTABLE

Ultra flexible supply of power for any remote location

INTELLIGENT

Battery power indicator
Under-voltage, overload, over-heating and over-discharge protection

Quick Charging

Equipped with high efficiency battery charger, charging time 3.0-3.5 hours only

Warranty

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost

Main Technical Variables

Power Specifications

Rated output voltage	AC 220 V 50 Hz
Socket specification	1 x EU type F (grounded) IP44
Rated output power	Max. 3,500 W
Surge power	Max. 7,000 W
Overload protection	(20 A)

Battery Specifications

Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 48 V
Battery capacity	2405 Wh
Battery cooling	Air (2 x automatic air fans)

Working Temperatures

Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C

Charger Specifications

Charger voltage	AC 100-240 V 50/60 Hz
Charger output	54.6 V (15 A)
Charging time	± 3.5 hours
Charging cycles	1,500 (capacity > 80%)

Dimensions and Weight

Dimensions (L x W x H)	460 x 300 x 410 mm
Weight	26 kg

Other

Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Endurance



Demonstration



PS-5800 PRO

Battery Powered Generator 3500w

(Heavy-duty Design 5435wh Battery Powered Generator 3500w)



Applications

With a high AC inverter load of continuous 3500W and Surge 7000W, LESTAR PS-5800 PRO features a massive 5435Wh capacity to power your equipment. No more worry about power outages interrupting your work. No matter where you are – at home, in your backyard, on a worksite, in the bush, or on a road trip, you can rely on PS-5800 PRO for credible power supply

Features

Completely Battery Powered

Internal built in 5435Wh 72 V lithium ion battery power pack, meets the demands of common power tools and other construction or site equipment

Eco-friendly & Noise Free & Maintenance Free

Compared with traditional generators, advantages of PS-5800 PRO are eco-friendly, noise free, maintenance free and easy to operate. Besides, comparing the cost of gasoline and electricity, power station is batter choice

Heavy Duty Design

Continuous Output power up to 3500W, surge power up to 7000W

POWER ANYWHERE, HIGHLY PORTABLE

Ultra flexible supply of power for any remote location

INTELLIGENT

Battery power indicator
Under-voltage, overload, over-heating and over-discharge protection

Quick Charging

Equipped with high efficiency battery charger, charging time 4.0-4.5 hours only

Warranty

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost



Main Technical Variables

Power Specifications

Rated output voltage	AC 220 V 50 Hz
Socket specification	1 x EU type F (grounded) IP44 1 x CEE type Socket 16A

Rated output power	Max. 3,500 W
Surge power	Max. 7,000 W
Overload protection	(30 A)

Battery Specifications

Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 48 V
Battery capacity	5435 Wh
Battery cooling	Air (2 x automatic air fans)

Working Temperatures

Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C

Charger Specifications

Charger voltage	AC 100-240 V 50/60 Hz
Charger output	84 V (30 A)
Charging time	± 4.5 hours
Charging cycles	1,500 (capacity > 80%)

Dimensions and Weight

Dimensions (L x W x H)	580 x 460 x 500 mm
Weight	48 kg

Other

Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Endurance



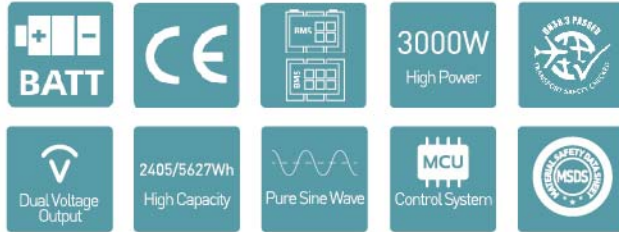
Demonstration



PS-4800DV/PS-5800DV

DUAL VOLTAGE OUTPUT AC 110/220V BATTERY POWERED GENERATOR 3000W

(Heavy-duty Design 2405/5627wh Battery Powered Generator)



Applications

PS-4800DV and PS-5800DV battery powered generator with AC 110V/220V voltage output are designed for UK and South-America countries. Both models can be used in various fields as emergency power supplies or industrial uses. With battery pack capacity up to 2405/5627Wh, output power 3000W, they had become a reliable source of power for builders, contractors, farmers, caterers, stall holders, local authorities and emergency services

Features

COMPLETELY BATTERY POWERED

Internal built in 2405/5627Wh 48/72 V lithium ion battery power pack, meets the demands of common power tools and other construction or site equipment

ECO-FRIENDLY & NOISE FREE & MAINTERNANCE FREE

Compared with traditional generators, advantages of PS-4800DV/PS-5800DV are eco-friendly, noise free, maintenance free and easy to operate. Besides, comparing the cost of gasoline and electricity, power station is batter choice

DUAL-VOLTAGE 110V/220V OUTPUT

Dual-voltage output makes it especially suitable for UK and South-America countries

HEAVY DUTY DESIGN

Continuous Output power up to 3000W, surge power up to 6000W

POWER ANYWHERE, HIGHLY PORTABLE

Ultra flexible supply of power for any remote location

INTELLIGENT

Battery power indicator
Under-voltage, overload, over-heating and over-discharge protection

QUICK CHARGING

Equipped with high efficiency battery charger, charging time 4.0-4.5 hours only

WARRANTY

All of our products, warranty period is 12 months, during warranty period, if any spare parts problem, we will afford the courier and spare cost

Main Technical Variables

Power Specifications

Rated output voltage	AC 110V & AC 220V
Socket specification	1 x EU type F (grounded) IP44 1 x CEE type Socket 16A
Rated output power	Max. 3,000 W
Surge power	Max. 6,000 W
Overload protection	20A / 30A

Battery Specifications

Battery type	Ternary Lithium Ion battery cell
Battery voltage	DC 48 V / DC 72 V
Battery capacity	2405 Wh / 5627 Wh
Battery cooling	Air (2 x automatic air fans)

Charger Specifications

Charger voltage	AC 100-240 V 50/60 Hz
Charger output	54.5 V (15 A) / 84 V (30 A)
Charging time	± 4.5 hours / ± 5.5 hours
Charging cycles	1,500 x (capacity > 80%)

Working Temperatures

Operating temperature	-20°C up to 40°C
Charging temperature	0°C up to 30°C
Storage temperature	0°C up to 25°C

Dimensions and Weight

Dimensions (L x W x H)	460 x 300 x 410 mm 580 x 460 x 500 mm
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Weight

26.4 kg / 51 kg

Other

Ingress protection class	IP21 (indoor)
Warranty	12 months or 300 charging cycle Whichever comes first

Endurance



Demonstration

