

ALPHA

ULTIMATE PERFORMANCE

ALPHA

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CUTTING EQUIPMENT CO.,LTD

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**RELIABLE
WELDING POWER**

2024

WELDING & CUTTING EQUIPMENT

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ALPHA

COMPANY PROFILE

Founded in 2009, Chengdu Alpha Welding and Cutting Equipment Co., Ltd. is headquartered in the European Industrial City of Qingbaijiang District, Chengdu. Formerly the largest OEM manufacturer of industrial-grade welding and cutting power supplies in China, the company boasts over 20,000 square meters of standardized factory space and state-of-the-art production and testing equipment. With more than 400 employees, including a team of experienced engineering and technical personnel, the company produces nearly 200,000 sets of industrial-grade welding and cutting power supplies annually.

The company specializes in providing a wide range of welding and cutting equipment, including manual welding, gas shielded welding, plasma cutting, argon arc welding, submerged arc welding, and stud welding. These products are widely used in industries such as construction machinery, petrochemicals, steel structures, shipbuilding, power, steel, machining, and construction installation. All products have passed the 3C certification, and export products have obtained CE and other certifications. Domestically, the company has established over thirty provincial-level general agents and a comprehensive pre-sale, sale, and after-sale service system. Products are also exported to Southeast Asia, Europe, the Middle East, and other countries and regions.

We always adhere to the fundamental philosophy of "winning reputation with quality, gaining market with integrity, and achieving efficiency through service." With service as our guarantee, we provide customers with comprehensive welding and cutting solutions, striving to become the most professional and influential welding and cutting brand in China.

PICTOGRAM MEANING






 MMA	 IGBT Single Tube	 Temperature Control	 Forced Air Cooling
 Energy-Saving Inverter	 Hot Start	 Stud Welding	 Current-regulated Output
 Gas Shielded Arc Welding	 CV Constant Voltage Output	 Soft Switching	 Plasma Cutting
 Water Cooling	 TIG	 SAW Power Unit	 Carbon Arc Gouging
 Field Effect Transistor	 IGBT Module	 Carbon Arc Gouging Welding Machine	 Three Phase
 Temperature Control	 Full Copper Transformer		

TABLE OF CONTENTS

01 MMA Series

ZX7-275E/315E/350E	.....01
ZX7-250	.....02
ZX7-308K/418K	.....03
ZX7-458K	.....04
ZX7-250K/315K/400K	.....05
ZX7-400Q/500Q	.....06
ZX7-400T/500T	.....07
ZX7-400B/400A/500A	.....08

02 CAG Series

ZX7-630A/1000A09
----------------	---------

03 REBAR Series

HS-630A10
---------	---------

04 GMA Series

NBC-270K	.....11
NBC-280T	.....12
NBC-315K(INTEGRATED)	.....13
NBC-270K/315K(SEPARATED)	.....14
NBC-350A/500A	.....15
NBC-350/500/630/1000(INDUSTRIAL GRADE)	.....16

05 P-GMA Series

NBM-250(DUAL POWER INTEGRATED)	.....17
NBM-280(INTEGRATED)/350/500	.....18
NBM-500(MODULAR)	.....19

06 CUT Series

LGK-70F/80F (DUAL POWER)	.....20
LGK-80 (DUAL FUNCTION)	.....21
LGK-100F/130F/160F	.....22
LGK-60S (DUAL POWER)	.....23
LGK-80A/100A	.....24
LGK-130A/160 (COMPACT)	.....25
LGK-160/200/300/400	.....26

07 TIG Series

WS-200D(MOS)/250D(MOS)	.....27
WS-200/250	.....28
WS-250T	.....29
WS-315T30
WS-315/40031
WSM-400/500/63032

08 STUD Series

RSN-2500 (COMPACT/LARGE)33
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09 SAW Series

MZ-1000/MZ-125034
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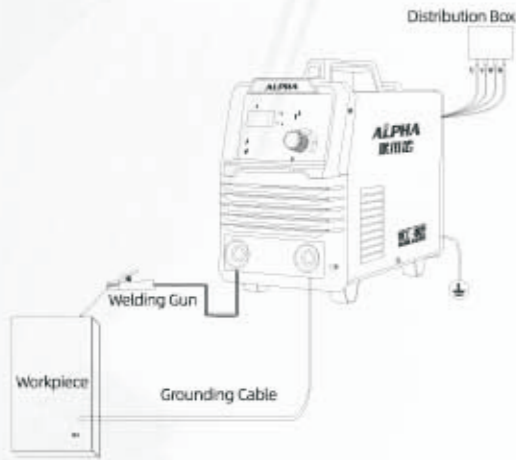
ZX7-275E/315E/350E Main Features

- ⊗ **220V/380V Dual Voltage Automatic Switching:** Switch seamlessly between voltages for efficiency and convenience.
- ⊗ **Ultra-Compact with High Duty Cycle:** Enjoy maximum performance with minimal space requirements.
- ⊗ **Equal Current Output at 220V/380V:** Consistent welding power across different voltage settings.
- ⊗ **IGBT Single Tube Full Bridge Technology:** Leverage the latest in IGBT technology for superior welding quality.
- ⊗ **Generator Compatible:** Flexibility to use with a generator for on-site welding tasks.
- ⊗ **Versatile Electrode Compatibility:** Capable of welding acid, basic, and stainless steel electrodes, suitable for various welding applications and materials.
- ⊗ **Versatile Use:** Ideal for advertising installations, outdoor construction, iron art processing, and maintenance and repair tasks.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length ≤ 3 meters
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure the area is well-ventilated, dustproof, moisture-proof, and waterproof.



IGBT Manual Arc Welding

Product Type	ZX7-275E		ZX7-315E		ZX7-350E	
	220V	380V	220V	380V	220V	380V
Input Power	220V	380V	220V	380V	220V	380V
Rated Input Capacity	6.1KVA	6.1KVA	7.1KVA	7.1KVA	8.1KVA	8.1KVA
No-Load Voltage	76V	65V	77V	69V	77V	68V
Rated Output	150A/25.6V		180A/27.2V		200A/28V	
Current Range	30-258A		30-315A		30-358A	
Duty Cycle	60%		45%		40%	
Efficiency	80%		80%		80%	
Enclosure Protection Rating	IP21S		IP21S		IP21S	
Insulation Class	Class F		Class F		Class F	
Dimensions	26x14x22cm		26x14x22cm		26x14x22cm	
Weight	4.9kg		5.0kg		5.0kg	

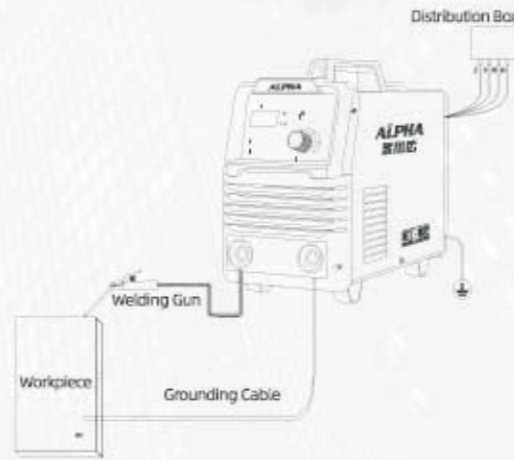
ZX7-250 Main Features

- ⊗ **Advanced IGBT Inverter Technology:** Utilizes the latest and most mature IGBT full-bridge inverter technology for enhanced performance and efficiency.
- ⊗ **Wide Voltage Adaptability:** Quickly identifies and adapts to power supply voltages ranging from 180V to 420V, ensuring stable welding output for both acid/alkaline and stainless steel electrodes.
- ⊗ **Comprehensive Protection Functions:** Features built-in protection against under-voltage, over-current, and overheating, ensuring safe and reliable operation.
- ⊗ **Enhanced Welding Capabilities:** Equipped with hot start and thrust force functions, making it suitable for welding with acid and alkaline electrodes, as well as operations requiring hundreds of meters of welding cable.
- ⊗ **Generator Compatibility:** Can be used with generators and φ2.5-4.0 welding rods, providing reliable performance and stable output.
- ⊗ **Durable Design:** Standard three-proof design (dustproof, waterproof, and anti-corrosive) makes it suitable for various harsh environments, while being easy and convenient to operate.
- ⊗ **Versatile Applications:** Ideal for hardware processing, decoration and renovation, outdoor installation, and construction projects.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length ≤ 3 meters
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Well-ventilated, dustproof, moisture-proof, and waterproof.



Inverter MMA Welding Machine (Single Voltage)

Product Type	ZX7-250
Input Power	220V
Rated Input Capacity	4.2KVA
No-Load Voltage	68V
Rated Output	140A/25.6V
Current Range	30-140A
Duty Cycle	40%
Efficiency	80%
Enclosure Protection Rating	IP21S
Insulation Class	Class F
Dimensions	16x30x28cm
Weight	4.5kg

ZX7-250K/315K/400K Main Features

- ⊗ **Advanced IGBT Inverter Technology:** Utilizes the latest and most mature IGBT full-bridge inverter technology for enhanced performance and efficiency.
- ⊗ **Automatic Voltage Adaptation:** Automatically detects and adapts to power supply voltages ranging from 220V to 380V, ensuring consistent welding output regardless of the power source.
- ⊗ **Comprehensive Protection Functions:** Features built-in protection against under-voltage, over-current, and overheating, ensuring safe and reliable operation.
- ⊗ **Enhanced Welding Capabilities:** Equipped with built-in hot start, reactor, and adjustable thrust functions, suitable for welding with acid and alkaline electrodes. Provides continuous arc with minimal deflection and reduced electrode sticking.
- ⊗ **Generator Compatible:** Can be used with generators and $\phi 2.5$ -4.1 welding rods, ensuring reliable performance and stable output, even when welded with 100 meters of cable.
- ⊗ **Durable Design:** Standard three-proof design (dustproof, waterproof, and anti-corrosive) makes it suitable for various harsh environments, while being easy and convenient to operate.
- ⊗ **Versatile Applications:** Ideal for hardware processing, decoration and renovation, outdoor installation, and construction projects.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length \leq 3 meters
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +41°C
- ⊗ **Operating Environment:** Ensure the area is well-ventilated, dustproof, moisture-proof, and waterproof.

Inverter MMA Welding Machine (Wide Voltage)

Product Type	ZX7-250K		ZX7-315K		ZX7-400K	
	220V	380V	220V	380V	220V	380V
Input Power	220V	380V	220V	380V	220V	380V
Rated Input Capacity	6.6KVA	8.8KVA	8.8KVA	11.8KVA	8.8KVA	11.8KVA
No-Load Voltage	90V	85V	90V	75V	90V	75V
Rated Output	160A/26.4V	170A/26.8V	180A/27.2V	200A/28V	200A/28V	250A/30V
Welding Current Range	30-160A	30-170A	30-180A	30-200A	30-200A	30-250A
Current Range	0-50A		0-60A		0-70A	
Duty Cycle	60%		60%		60%	
Efficiency	80%		80%		80%	
Insulation Class	Class F		Class F		Class F	
Dimensions	29x15.5x28cm		37x20x35.5cm		40.5x21.5x39cm	
Weight	4.8kg		8.2kg		9.5kg	

ZX7-400Q/500Q Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance and reliability.
- ⊗ **Generator Compatible:** Operates directly with generators, eliminating the need for additional capacitor boards.
- ⊗ **Wide Voltage Acceptance:** Accepts a wide range of input voltages without the need for voltage conversion, providing versatility for various power sources.
- ⊗ **Cutting-Edge IGBT Inverter Technology:** Employs advanced IGBT inverter technology, significantly extending the lifespan of the welding machine.
- ⊗ **Comprehensive Protection:** Features protection against under-voltage, over-voltage, and over-current conditions, ensuring safety and reliability.
- ⊗ **Versatile Electrode Handling:** Handles both acid/alkaline and stainless steel electrodes with consistent welding performance.
- ⊗ **Continuous Thrust Adjustment:** Provides continuous adjustment of thrust current, effectively eliminating electrode sticking and arc breaks.
- ⊗ **User-Friendly Design:** Features a humanized and aesthetically pleasing design with intuitive controls for effortless operation.
- ⊗ **Durable and Reliable:** Key components are protected against dust, moisture, and water, enabling operation in harsh environments with stability and reliability.



Precautions:

- ⊗ **Input Voltage:** Universal input voltage 130-560V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length \leq 3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +41°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Inverter MMA Welding Machine (Universal Voltage)

Product Type	ZX7-400Q		ZX7-500Q	
	220V 50/60Hz	380V 50/60Hz	220V 50/60Hz	380V 50/60Hz
Input Power	220V 50/60Hz	380V 50/60Hz	220V 50/60Hz	380V 50/60Hz
Rated Input Capacity	7.7KVA	10.4KVA	8.8KVA	12.7KVA
Rated Input Current	35A	15.8A	39.8A	19.3A
No-Load Voltage	68V	70V	68V	72V
Rated Output	160A/26.4V	250A/30V	180A/27.2V	290A/31.6V
Current Range	30-160A	30-250A	30-180A	30-290A
Duty Cycle	60%		60%	
Efficiency	80%		80%	
Insulation Class	Class F		Class F	
Dimensions	40.5x21.5x43.5cm		47x23.5x43.5cm	
Weight	10kg		13kg	

ZX7-400T/500T

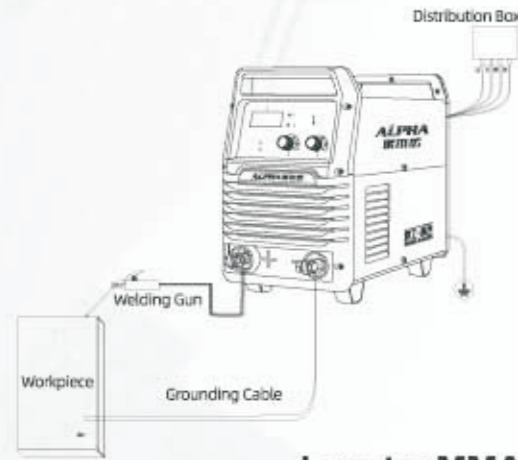
Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance and reliability.
- ⊗ **Enhanced Engineering Capability:** Specially designed for engineering applications, capable of welding with 4.0 electrodes and extending 100 meters of wire with low current attenuation.
- ⊗ **High-Performance IGBT Technology:** Employs a high-performance imported IGBT single tube, delivering exceptional device performance and longevity.
- ⊗ **Comprehensive Protection:** Features protection against under-voltage, over-voltage, and over-current conditions, ensuring safety and reliability.
- ⊗ **Precise Digital Current Preset:** Provides precise digital current preset for easy and intuitive operation.
- ⊗ **Versatile Electrode Handling:** Handles both acid/alkaline and stainless steel electrodes with consistent welding performance.
- ⊗ **Continuous Thrust Adjustment:** Provides continuous adjustment of thrust current, effectively eliminating electrode sticking and arc breaks.
- ⊗ **User-Friendly Design:** Features a humanized and aesthetically pleasing design with intuitive controls for effortless operation.
- ⊗ **Durable and Reliable:** Key components are protected against dust, moisture, and water, enabling operation in harsh environments with stability and reliability.



Precautions:

- ⊗ **Input Voltage:** 380VAC±10%, 50/60Hz
- ⊗ **Input Cable:** 4mm², length ≤ 3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 25-35mm²
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Inverter MMA Welding Machine (Engineering Grade)

Product Type	ZX7-400T	ZX7-500T
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	10.4KVA	12.7KVA
Rated Input Current	15.8A	19.3A
No-Load Voltage	66V	68V
Rated Output	250A/30V	290A/31.6V
Welding Current Range	3.2-4.0mm	3.2-5.0mm
Duty Cycle	60%	60%
Efficiency	80%	80%
Insulation Grade	Class F	Class F
Dimensions	41x21.5x39cm	47x23.5x43.5cm
Weight	9kg	13kg

ZX7-400B/400A/500A

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance and reliability.
- ⊗ **Enhanced Hot Start Function:** Equipped with an enhanced hot start function for effortless arc ignition.
- ⊗ **Advanced IGBT Inverter Technology:** Employs advanced IGBT inverter technology, extending the overall lifespan of the welding machine and enhancing its performance.
- ⊗ **Dual IGBT Modules:** Features dual IGBT modules that deliver consistent device performance and parameter consistency, ensuring reliable operation.
- ⊗ **Comprehensive Protection System:** Incorporates a comprehensive protection system against under-voltage, over-voltage, and over-current conditions, prioritizing safety and user confidence.
- ⊗ **Precise Digital Current Preset:** Provides a precise digital current preset for easy and intuitive operation, enabling precise control over welding parameters.
- ⊗ **Versatile Electrode Handling:** Handles both acid/alkaline and stainless steel electrodes with consistent welding performance, catering to a wide range of welding needs.
- ⊗ **Continuous Arc Adjustment:** Offers continuous adjustment of arc starting and thrust current, effectively eliminating electrode sticking and arc breaks, ensuring smooth and consistent welding.
- ⊗ **User-Friendly Design:** Features a humanized and aesthetically pleasing design with intuitive controls for effortless operation, even for novice users.
- ⊗ **Durable and Reliable:** Key components are protected against dust, moisture, and water, enabling operation in harsh environments with stability and reliability.



Precautions:

- ⊗ **Input Voltage:** 380VAC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥4mm², length ≤ 3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 50mm², length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +41°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Inverter MMA Welding Machine (Dual Module)

Product Type	ZX7-400B	ZX7-400A	ZX7-500A
Input Power	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	11KVA	12.1KVA	15.2KVA
Rated Input Current	16.7A	18.4A	23.1A
No-Load Voltage	66V	66V	72V
Rated Output	260A/30.4V	280A/31.2V	330A/33.2V
Welding Current Range	30-260A	30-280A	30-330A
Duty Cycle	60%	60%	60%
Efficiency	80%	80%	80%
Insulation Grade	Class F	Class F	Class F
Dimensions	40.5x21.5x39cm	47x23.5x43.5cm	51.5x26.5x48cm
Weight	11.5kg	14.5kg	16.5kg

ZX7-308K/418K

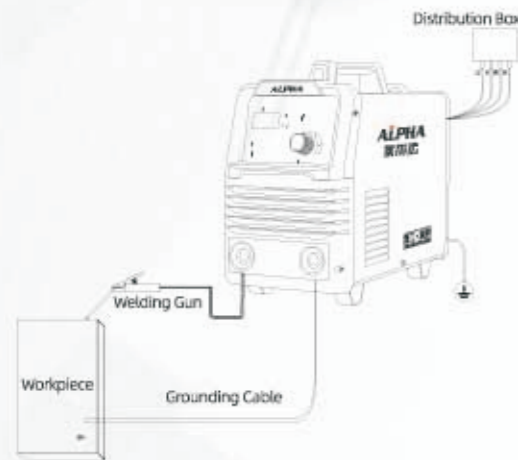
Main Features

- ⊗ **Advanced IGBT Inverter Technology:** Utilizes the latest and most mature IGBT full-bridge inverter technology for enhanced performance and efficiency.
- ⊗ **Wide Voltage Adaptability:** Quickly identifies and adapts to power supply voltages ranging from 180V to 420V, ensuring stable welding output for both acid/alkaline and stainless steel electrodes.
- ⊗ **Comprehensive Protection Functions:** Features built-in protection against under-voltage, over-current, and overheating, ensuring safe and reliable operation.
- ⊗ **Enhanced Welding Capabilities:** Equipped with hot start and thrust force functions, making it suitable for welding with acid and alkaline electrodes, as well as operations requiring hundreds of meters of welding cable.
- ⊗ **Generator Compatible:** Can be used with generators and ϕ 2.5-4.0 welding rods, providing reliable performance and stable output.
- ⊗ **Durable Design:** Standard three-proof design (dustproof, waterproof, and anti-corrosive) makes it suitable for various harsh environments, while being easy and convenient to operate.
- ⊗ **Versatile Applications:** Ideal for hardware processing, decoration and renovation, outdoor installation, and construction projects.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length \leq 3 meters
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +41°C
- ⊗ **Operating Environment:** Ensure the area is well-ventilated, dustproof, moisture-proof, and waterproof.



Inverter MMA Welding Machine (Wide Voltage)

Product Type	ZX7-308K		ZX7-418K	
	Input Power	220V	380V	220V	380V
Rated Input Capacity	6.6KVA	8.8KVA	8.8KVA	11.7KVA
No-Load Voltage	72V	62V	72V	62V
Rated Output	160A/27.6V		220A/28.8V	
Current Range	30-160A		30-220A	
Duty Cycle	40%		40%	
Efficiency	80%		80%	
Enclosure Protection Rating	IP21S		IP21S	
Insulation Class	Class F		Class F	
Dimensions	29x15.5x28cm		29x15.5x28cm	
Weight	5.0kg		5.2kg	

ZX7-458K

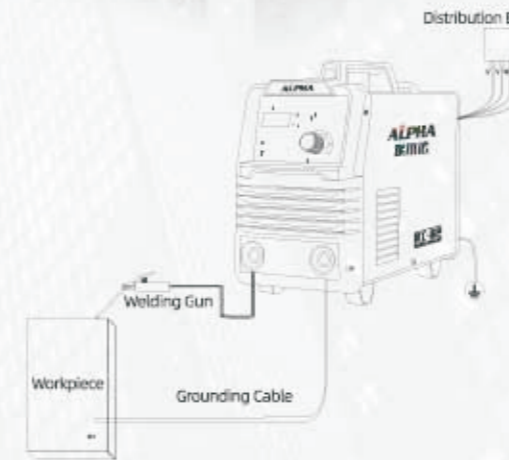
Main Features

- ⊗ **Advanced IGBT Inverter Technology:** Utilizes the latest and most mature IGBT full-bridge inverter technology for enhanced performance and efficiency.
- ⊗ **Stable Welding Performance:** Provides stable welding output for acid/alkaline and stainless steel electrodes.
- ⊗ **Comprehensive Protection Functions:** Features built-in protection against under-voltage, over-current, and overheating, ensuring safe and reliable operation.
- ⊗ **Enhanced Welding Capabilities:** Equipped with hot start and thrust force functions, making it suitable for welding with acid and alkaline electrodes, as well as operations requiring hundreds of meters of welding cable.
- ⊗ **Generator Compatible:** Can be used with generators and ϕ 2.5-4.0 welding rods, providing reliable performance and stable output.
- ⊗ **Durable Design:** Standard three-proof design (dustproof, waterproof, and anti-corrosive) makes it suitable for various harsh environments, while being easy and convenient to operate.
- ⊗ **Versatile Applications:** Ideal for hardware processing, decoration and renovation, outdoor installation, and construction projects.



Precautions:

- ⊗ **Input Voltage:** AC220V/380V, 50/60Hz
- ⊗ **Input Cable:** 4mm², length \leq 3 meters
- ⊗ **Output Cable:** 16-25mm²
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure the area is well-ventilated, dustproof, moisture-proof, and waterproof.



Inverter MMA Welding Machine (Wide Voltage)

Product Type	ZX7-458K
Input Power	AC220V/380V 50/60Hz
Rated Input Capacity	8.8KVA/11.8KVA
No-Load Voltage	90V/75V
Rated Output	200A/28V 250A/30V
Current Range	10-250A
Duty Cycle	40%
Efficiency	80%
Enclosure Protection Rating	IP21S
Insulation Grade	Class F
Dimensions	38x22x33cm
Weight	7kg

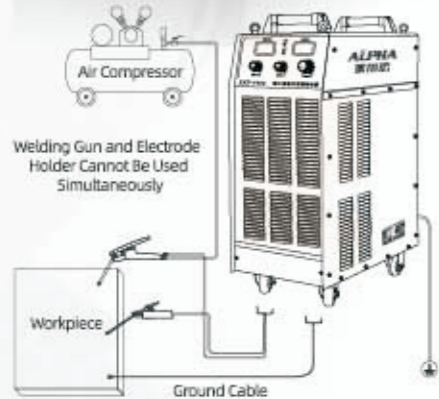
ZX7-630A/1000A Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance and reliability.
- ⊗ **High Power for Carbon Arc Gouging:** Designed specifically for carbon arc gouging applications, delivering high power and a remarkable 100% duty cycle for demanding tasks.
- ⊗ **Soft-Switching IGBT Inverter Technology:** Employs soft-switching IGBT inverter technology, minimizing weld spatter and producing aesthetically pleasing weld seams.
- ⊗ **Four IGBT Modules:** Features four IGBT modules that deliver consistent device performance and parameter uniformity, ensuring reliable operation.
- ⊗ **Comprehensive Protection System:** Incorporates a comprehensive protection system against under-voltage, over-voltage, and over-current conditions, prioritizing safety and user confidence.
- ⊗ **Precise Digital Current Preset:** Provides a precise digital current preset for easy and intuitive operation, enabling precise control over welding parameters.
- ⊗ **Versatile Electrode Handling:** Handles both alkaline and stainless steel electrodes with consistent welding performance.
- ⊗ **Continuous Arc Adjustment:** Offers continuous adjustment of arc starting and thrust current, effectively eliminating electrode sticking and arc breaks, ensuring smooth and consistent welding.
- ⊗ **User-Friendly Design:** Features a humanized and aesthetically pleasing design with intuitive controls for effortless operation, even for novice users.
- ⊗ **Durable and Reliable:** Key components are protected against dust, moisture, and water, enabling operation in harsh environments with stability and reliability.



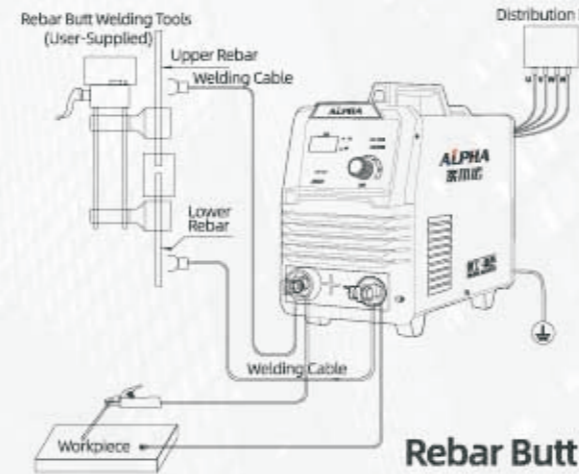
Precautions:

- ⊗ **Input Voltage:** 380VAC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥16mm²
- ⊗ **Distribution Switch:** 150A
- ⊗ **Output Cable:** Dual 50mm², length ≤ 50 meters
- ⊗ **Ambient Temperature:** -10°C to +42°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Carbon Arc Gouging Welding Machine (Heavy Duty)

Product Type	ZX7-630A	ZX7-1000A
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	39.6KVA	83.3KVA
Rated Input Current	60.1A	126.6A
No-Load Voltage	72V	80V
Rated Output	630A/44V	1000A/44V
Welding Current Range	40-630A	40-1000A
Duty Cycle	60%	60%
Efficiency	80%	80%
Insulation Grade	Class F	Class F
Dimensions	61.5x30.5x58cm	68x35.5x96cm
Weight	35.5kg	69kg



Rebar Butt Welding Machine (Dual Module)

HS-630A Main Features

- ⊗ **Advanced High-Power Components:** Utilizes the latest high-power electronic components to deliver a stable and consistent output.
- ⊗ **Efficient Rebar Welding:** Enables rapid welding of rebar ranging from φ14 to φ32, capable of continuous operation, producing strong and smooth welds.
- ⊗ **Dual Industrial-Grade Modules:** Features dual industrial-grade modules that provide ample power for both manual arc welding (MMA) and submerged arc welding. Equipped with an integrated inductor to enhance arc stability.
- ⊗ **Versatile Electrode Handling:** Handles acid and alkaline electrodes, preventing arc breaks and electrode sticking, and enabling welding with long cables up to 100 meters.
- ⊗ **Robust Three-Proof System:** Incorporates a professional three-proof airflow system with a high-power high-speed fan, ensuring durability, portability, and ease of use.
- ⊗ **Applications:** Industrial applications, including infrastructure construction, rebar splicing, and manual welding.



Precautions:

- ⊗ **Input Voltage:** 380VAC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥6mm²
- ⊗ **Distribution Switch:** 150A (63A)
- ⊗ **Output Cable:** 50mm², length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure adequate ventilation and take necessary precautions to prevent dust, moisture, and water ingress (well-ventilated, dustproof).

Product Type	HS-630A
Input Power	380V 50/60Hz
Rated Input Power	26KW
Power Factor	0.8
Rated Open-circuit voltage	92V
Rated Maximum Output	470/38.8A/V
Welding Current Range	30-630A
Short-Circuit Current	600A
Output Characteristics	CC
Operating Temperature Range	-10~+40°C
Dimensions	47x23x46cm
Weight	20kg

NBC-270K

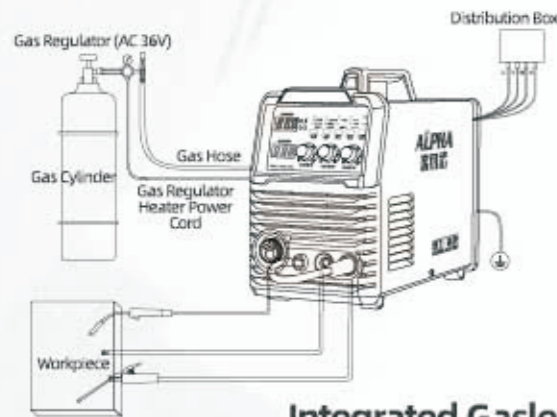
Main Features

- ⊗ **Advanced High-Power Components:** Utilizes the latest high-power electronic components for enhanced performance.
- ⊗ **Robust Protection:** Equipped with comprehensive protection against under-voltage, overvoltage, and overcurrent, ensuring safety and reliability during operation.
- ⊗ **Precise Digital Display:** Features a precise digital display for current and voltage settings, offering user-friendly and intuitive operation.
- ⊗ **High-Voltage Slow Wire Feed Arc Ignition:** Utilizes high-voltage slow wire feed arc ignition to eliminate arc explosions and ensure smooth arc termination without splatter formation.
- ⊗ **Constant Voltage Output:** Offers constant voltage output, making it versatile for both CO2 and electric welding applications.
- ⊗ **User-Friendly Design:** Features a humanized and aesthetically pleasing design, enhancing user comfort and ease of operation.
- ⊗ **Durable and Reliable:** Key components are protected against dust, moisture, and impacts, ensuring stable and reliable operation even in harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** ≥4.0mm², length ≤3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** ≥25mm², length ≤20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and maintain a dust-free environment.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Integrated Gasless Welding Machine [Wide Voltage]

Product Type	NBC-270K	
Rated Input Power	220V 50/60Hz	380V 50/60Hz
Rated Input Capacity	6.6KVA	6.6KVA
Rated Output	170A/22.5V	170A/22.5V
No-Load Voltage	62V	54V
Duty Cycle	50%	
Welding Voltage Range	14-30V	
Welding Diameter	0.8-1.0mm	
Insulation Class	Class F	
Power Factor	0.8	
Dimensions	42.5x20x35.5cm	
Weight	9.0kg	

NBC-280T

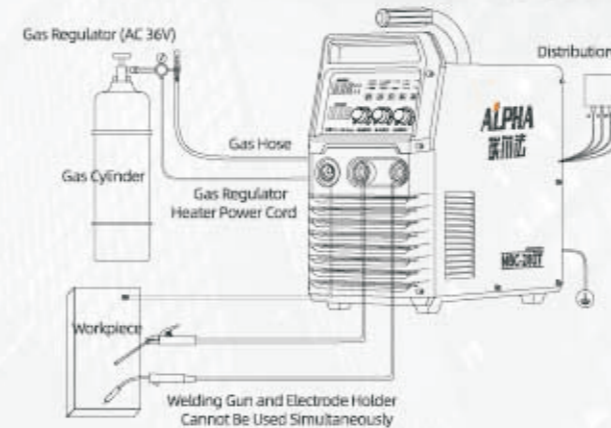
Main Features

- ⊗ **IGBT Inverter Technology:** Small welding spatter and beautiful weld formation.
- ⊗ **Comprehensive Protection:** Includes under-voltage, over-current, and over-heating protection, ensuring safe and reliable operation.
- ⊗ **Unified Function:** Automatic matching of voltage and current for optimal performance.
- ⊗ **Convenient Operation:** Thin plates can be welded quickly, producing full and smooth welding spots.
- ⊗ **Precise Digital Presetting:** Digital current and voltage presetting for easy and intuitive operation.
- ⊗ **High Voltage Slow Wire Feed Arc Ignition:** Eliminates wire explosion during arc ignition and reduces crater size during arc extinction.
- ⊗ **Versatile Output:** Constant voltage/constant current output characteristics, suitable for CO2 and electric welding, multipurpose.
- ⊗ **Arc Extinction Mode:** Reduces operating intensity significantly.
- ⊗ **Enhanced Protection:** Perfect under-voltage, over-voltage, and over-current protection for safety and reliability.
- ⊗ **Automatic Matching:** One-function automatic voltage and current matching for ease of use.
- ⊗ **Quick Spot Welding:** Allows for quick spot welding of thin plates with full and smooth weld spots.



Precautions:

- ⊗ **Input Voltage:** 380VAC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥4.0mm², length ≤3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** ≥25mm², length ≤20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Thin Plate King

Integrated High-Speed Gas Shielded Welding Machine

Product Type	NBC-280T	
Rated Input Power	380V 50/60Hz	
Rated Input Capacity	10.9KVA	
Rated Output	280A/28V	
No-Load Voltage	64V	
Duty Cycle	60%	
Welding Voltage Range	14-32V	
Welding Diameter	0.8-1.0mm	
Insulation Class	Class F	
Power Factor	0.8	
Dimensions	50x27x50.5cm	
Weight	18.5kg	



NBC-315K (Integrated)

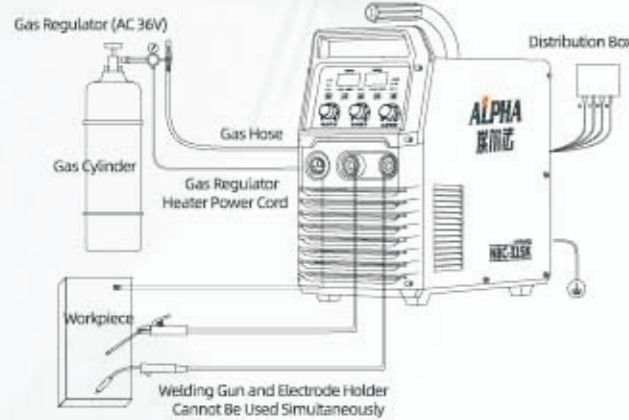
Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Inverter Technology:** Produces small welding spatter and beautiful weld formation.
- ⊗ **Comprehensive Protection:** Includes under-voltage, over-voltage, and over-current protection, ensuring safe and reliable operation.
- ⊗ **Precise Digital Presetting:** Digital current and voltage presetting for easy and intuitive operation.
- ⊗ **High Voltage Slow Wire Feed Arc Ignition:** Prevents wire explosion during arc ignition and reduces crater size during arc extinction.
- ⊗ **Versatile Output Characteristics:** Constant voltage output for CO2 and electric welding, making it multipurpose.
- ⊗ **Self-Locking/Non-Self-Locking Mode:** Equipped with self-locking and non-self-locking modes to greatly reduce operating intensity.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for easier operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, making the machine suitable for various harsh environments and ensuring stable and reliable operation.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** $\geq 4.0\text{mm}^2$, length ≤ 3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** $\geq 25\text{mm}^2$, length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to $+40^\circ\text{C}$
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Integrated Gasless Welding Machine [Wide Voltage]

Product Type	NBC-315K (Integrated)	
Rated Input Power	220V 50/60Hz	380V 50/60Hz
Rated Input Capacity	7.5KVA	13KVA
Rated Output	200A/24V	315A/30V
No-Load Voltage	57V	60V
Duty Cycle	60%	
Welding Voltage Range	14-32V	
Welding Diameter	0.8-1.0mm	
Insulation Class	Class F	
Power Factor	0.8	
Dimensions	50x27x50.5cm	
Weight	19kg	

NBC-270K (Separate) NBC-315K (Separate)

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Inverter Technology:** Minimizes welding spatter and produces aesthetically pleasing weld seams.
- ⊗ **Comprehensive Protection:** Provides under-voltage, over-voltage, and over-current protection to ensure safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current and voltage presetting for intuitive and straightforward operation.
- ⊗ **High-Voltage Slow Wire Feed Arc Ignition:** Prevents wire explosion during arc initiation and eliminates craters upon arc extinction.
- ⊗ **Versatile Output Characteristics:** Constant voltage output enables both CO2 and electric welding, making the machine versatile.
- ⊗ **Self-Locking/Non-Self-Locking Modes:** Equipped with self-locking and non-self-locking work modes to significantly reduce operational fatigue.
- ⊗ **Optional Extended Control Cables:** Facilitates welding in confined and elevated spaces.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design to enhance operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in various harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC180-420V, 50/60Hz
- ⊗ **Input Cable:** $\geq 6.0\text{mm}^2$, length ≤ 3 meters
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** $\geq 35\text{mm}^2$, length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to $+40^\circ\text{C}$
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Separate Gasless Welding Machine [Wide Voltage]

Product Type	NBC-270K (Separate)		NBC-315K (Separate)	
Input Power Source	220V 50/60Hz	380V 50/60Hz	220V 50/60Hz	380V 50/60Hz
Input Capacity	6KVA	10.3KVA	7.5KVA	13KVA
No Load Voltage	170A/22.5V	270A/27.5V	200A/24V	315A/30V
Rated Output	50V	54V	57V	60V
Current Range	14-30V		14-32V	
Duty Cycle	60%		60%	
Efficiency	0.8-1.0mm		0.8-1.0mm	
In Outer Skin	Class F		Class F	
Insulation Class	0.8		0.8	
Dimensions	40.5x21.5x39cm		47x23.5x43.5cm	
Weight	10.5kg		12kg	

NBC-350A/500A

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Soft Switching IGBT Inverter Technology:** Minimizes welding spatter and produces aesthetically pleasing weld seams.
- ⊗ **Comprehensive Protection:** Provides under-voltage, over-voltage, and over-current protection to ensure safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current and voltage presetting for intuitive and straightforward operation.
- ⊗ **High-Voltage Slow Wire Feed Arc Ignition:** Prevents wire explosion during arc initiation and eliminates craters upon arc extinction.
- ⊗ **Versatile Output Characteristics:** Constant voltage output enables both CO₂ and electric welding, making the machine versatile.
- ⊗ **Self-Locking/Non-Self-Locking Modes:** Equipped with self-locking and non-self-locking work modes to significantly reduce operational fatigue.
- ⊗ **Optional Extended Control Cables:** Facilitates welding in confined and elevated spaces.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design to enhance operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in various harsh environments.



Precautions:

- Input Voltage:** 380V AC ±10%, 50/60Hz
- Input Cable:** ≥6.0mm², length ≤3 meters
- Distribution Switch:** 63A
- Output Cable:** 50mm², length ≤20 meters
- Ambient Temperature:** -10°C to +40°C
- Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Separate Gas Shielded Welding Machine [Dual Module]

Product Type	NBC-350A	NBC-500A
Rated Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	15.3KVA	22.8KVA
Rated Output	350A/32V	500A/36.5V
No-Load Voltage	72V	72V
Duty Cycle	60%	60%
Welding Voltage Range	14-40V	14-45V
Welding Diameter	0.8-1.2mm	1.0-1.6mm
Efficiency	80%	80%
Insulation Class	Class F	Class F
Dimensions	55x28.5x53cm	55x28.5x53cm
Weight	23.2kg	24.2kg

NBC-350/500/630/1000 Industrial

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Soft Switching IGBT Inverter Technology:** Minimizes welding spatter and produces aesthetically pleasing weld seams.
- ⊗ **Comprehensive Protection:** Provides under-voltage, over-voltage, and over-current protection to ensure safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current and voltage presetting for intuitive and straightforward operation.
- ⊗ **High-Voltage Slow Wire Feed Arc Ignition:** Prevents wire explosion during arc initiation and eliminates craters upon arc extinction.
- ⊗ **Versatile Output Characteristics:** Constant voltage output enables both CO₂ and electric welding, making the machine versatile.
- ⊗ **Self-Locking/Non-Self-Locking Modes:** Equipped with self-locking and non-self-locking work modes to significantly reduce operational fatigue.
- ⊗ **Optional Extended Control Cables:** Facilitates welding in confined and elevated spaces.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design to enhance operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in various harsh environments.



Precautions:

- Input Voltage:** 380V AC ±10%, 50/60Hz
- Input Cable:** ≥6.0mm²
- Distribution Switch:** 63A
- Output Cable:** 50mm²
- Ambient Temperature:** -10°C to +40°C
- Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Gas Shielded Welding Machine [Heavy Duty]

Product Type	NBC-350 Industrial	NBC-500 Industrial	NBC-630 Industrial	NBC-1000 Industrial
Rated Input Power	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	15.5KVA	28.7KVA	39.8KVA	69.4KVA
Rated Output	350A/32V	500A/39V	630A/44V	1000A/44V
No-Load Voltage	68V	72V	78V	78V
Duty Cycle	60%	60%	60%	60%
Welding Voltage Range	14-40V	14-50V	14-50V	14-50V
Welding Diameter	0.8-1.2mm	1.0-1.6mm	1.0-1.6mm	1.6-2.8mm
Efficiency	80%	80%	80%	80%
Insulation Class	Class F	Class F	Class F	Class F
Dimensions	55x28.5x53cm	61.5x30.5x58cm	61.5x30.5x58cm	68x35.5x69cm
Weight	26kg	37.8kg	42kg	94kg

NBM-250 Dual Power Integrated Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Inverter Technology:** Minimizes welding spatter and produces beautiful weld formations.
- ⊗ **Versatile Welding:** Suitable for welding aluminum and aluminum alloys, carbon steel, stainless steel, and other metals.
- ⊗ **Precise Digital Presetting:** Provides precise digital current and voltage presetting for easy and intuitive operation.
- ⊗ **Dual Voltage Input:** Automatic switching of dual voltage input (220V/380V) for flexibility.
- ⊗ **Multi-Purpose Welding:** Supports gas-shielded welding, electric welding, and heavy-duty argon arc welding (NBM/welding/TIG).
- ⊗ **Self-Locking/Non-Self-Locking Modes:** Equipped with self-locking and non-self-locking work modes to significantly reduce operational fatigue.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for easier operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC220V/380V, 50/60Hz
- ⊗ **Input Cable:** ≥4.0mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** Welding gun length ≤3m
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental

Digital Gas Shielded Welding Machine [Dual Pulse]

Product Type	NBM-250 Dual Power Integrated
Rated Input Power	AC220V/380V 50/60Hz
Rated Input Capacity	10.4/9.2KVA
Rated Output	250A
No-Load Voltage	72V
Duty Cycle	60%
Current Range	20-250A
Welding Diameter	Aluminum wire 1.0-1.2mm, Carbon steel 0.8-1.0mm
Efficiency	80%
Insulation Class	Class F
Dimensions	50x25x41cm
Weight	15kg

NBM-280 Integrated / NBM-350 /500 Main Features

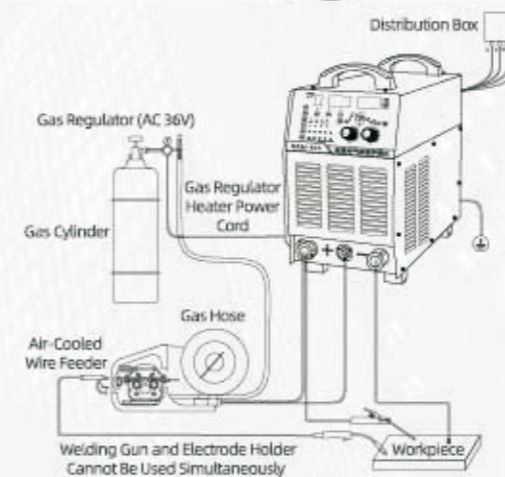


- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **PWM Wire Feeding Circuit:** High-stability power supply ensures smooth wire feeding.
- ⊗ **IGBT Soft-Switching Inverter Technology:** Produces beautiful weld formations.
- ⊗ **Compact and Lightweight:** High efficiency and high load continuity (endurance) rate.
- ⊗ **Comprehensive Protection:** Includes protection circuits and fault display function for safety and reliability.
- ⊗ **Closed-Loop Control:** Strong arc self-adjusting capability for a stable welding process.
- ⊗ **Fully Digital Structure:** High integration level.
- ⊗ **Minimal Spatter:** Minimal spatter during short-circuit transition and near-spatter-free pulse welding.
- ⊗ **Welding Process Storage:** Supports welding process storage and retrieval, with software upgrades for special processes.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC, 50/60Hz
- ⊗ **Input Cable:** ≥4.0mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 50mm², Welding gun length ≤3m
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.



Digital Gas Shielded Welding Machine [Dual Pulse]

Product Type	NBM-280 Integrated	NBM-350	NBM-500
Input Power	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	10.9KVA	15.5KVA	27.5KVA
Rated Output	280A/28V	350A/32V	500A/39V
No-Load Voltage	54V	60V	72V
Duty Cycle	60%	60%	60%
Welding Diameter	0.8-1.2mm	0.8-1.2mm	1.0-1.6mm
Welding Voltage Range	14-35V	14-40V	14-50V
Efficiency	80%	80%	80%
Insulation Class	Class F	Class F	Class F
Dimensions	85x45x88cm	62x31x58cm	62x31x58cm
Weight	44.5kg	35kg	36.5kg

NBM-500 Modular Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Soft-Switching Inverter Technology:** Produces beautiful weld formations.
- ⊗ **Compact and Lightweight:** High efficiency and high load continuity (endurance) rate.
- ⊗ **Comprehensive Protection:** Includes protection circuitry and fault display function for safety and reliability.
- ⊗ **Closed-Loop Control:** Strong arc self-regulation for a stable welding process.
- ⊗ **Fully Digital Structure:** High integration level.
- ⊗ **Versatile Welding Capability:** Capable of welding aluminum, aluminum alloys, carbon steel, stainless steel, copper, and other metals.
- ⊗ **Welding Process Storage:** Supports welding process storage and recall, with software upgrades for special processes.
- ⊗ **Integrated Design:** Features an aesthetically pleasing design for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC Three Phase 380V, 50/60Hz
- ⊗ **Input Cable:** ≥6.0mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 50mm², Welding gun length ≤3m
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.
- ⊗ **Gas Cylinder Installation:** Securely fasten the gas cylinder to prevent accidental bumps or collisions. Store the cylinder in a cool and shaded area.

Digital Gas Shielded Welding Machine [Dual Pulse]

Product Type	NBM-500 Modular
Input Power	AC Three Phase 380V 50/60Hz
Rated Input Capacity	27.5KVA
Rated Output	500A/39V
No-Load Voltage	80V
Duty Cycle	60%
Welding Diameter	1.0-1.6mm
Welding Voltage Range	14-50V
Efficiency	80%
Insulation Class	Class F
Dimensions	104x58x148cm
Weight	105kg

LGK-70F (Dual Power) LGK-80F (Dual Power) Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **High Load Continuity:** Suitable for long-term cutting work with a high endurance rate.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Smooth Cutting Surface:** Provides excellent cutting process performance.
- ⊗ **Strong Power Grid Adaptability:** Adapts well to various power grid conditions.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture,



Precautions:

- ⊗ **Input Voltage:** AC220V/380V, 50Hz/60Hz
- ⊗ **Input Cable:** ≥National Standard 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** Torch length ≤25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Digital Plasma Cutting Machine [Built-In Air Pump]

Product Type	LGK-70F (Dual Power)	LGK-80F (Dual Power)
Rated Input Power	AC220V/380V 50/60Hz	AC220V/380V 50/60Hz
Rated Input Capacity	10KVA	12KVA
Rated Output	65A	70A
No-Load Voltage	330V	330V
Current Range	20A-70A	20A-80A
Maximum Cutting Thickness	20mm	25mm
Duty Cycle	60%	60%
Arc Ignition Method	High-frequency non-contact	High-frequency non-contact
Insulation Class	Class F	Class F
Dimensions	49x24x42cm	54x32x50cm
Weight	26.5kg	29kg

LGK-80 (Dual Use)

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Single-Tube Inverter Technology:** Employs IGBT single-tube inverter technology.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Excellent Arc Stability:** Provides a smooth cut and superior cutting process performance.
- ⊗ **Strong Power Grid Adaptability:** Ensures extremely stable cutting current and plasma arc.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh



Precautions:

- ⊗ **Input Voltage:** AC220V/380V, 50Hz/60Hz
- ⊗ **Input Cable:** ≥National Standard 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** Torch length ≤25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Digital Plasma Cutting Machine [Built-In Air Pump]

Product Type	LGK-80 (Dual Use)
Rated Input Power	AC220V/380V 50/60Hz
Rated Input Capacity	10KVA
Rated Output	60A
No-Load Voltage	330V
Current Range	20A-80A
Maximum Cutting Thickness	25mm
Pressure Range	60%
Arc Ignition Method	High-frequency non-contact
Insulation Class	Class F
Dimensions	60x36x55cm
Weight	34.8kg

LGK-100F/130F/160F

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Industrial-Grade Dual-Module Configuration:** Provides high current and strong cutting ability.
- ⊗ **High Load Duty Cycle:** Suitable for long-term cutting work with a high endurance rate.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **MMA Function:** Equipped with an MMA function for versatile welding capabilities.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust,



Precautions:

- ⊗ **Input Voltage:** AC Three Phase 380V, 50Hz/60Hz
- ⊗ **Input Cable:** ≥6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** Torch length ≤ 25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed air intake and exhaust vents, avoid direct sunlight, and take dust prevention measures.



Digital Plasma Cutting Machine [Built-In Air Pump]

Product Type	LGK-100F	LGK-130F	LGK-160F
Rated Input Power	AC Three Phase 380V 50/60Hz	AC380V 50/60Hz	AC380V 50/60Hz
Rated Input Capacity	12KVA	17KVA	24KVA
Rated Output	85A	105A	130A
No-Load Voltage	340V	340V	340V
Current Range	20A-100A	20A-130A	20A-160A
Maximum Cutting Thickness	30mm	35mm	40mm
Duty Cycle	60%	60%	60%
Arc Ignition Method	High-frequency non-contact	High-frequency non-contact	High-frequency non-contact
Insulation Class	Class F	Class F	Class F
Dimensions	60x36x55cm	60x36x55cm	64x39x63cm
Weight	39kg	40kg	55kg

LGK-60S (Dual Power) Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Single-Tube Inverter Technology:** Employs IGBT single-tube inverter technology.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Infinitely Adjustable Cutting Current:** Provides precise stepless adjustment, suitable for workpieces of different thicknesses.
- ⊗ **Excellent Arc Stability:** Delivers smooth cuts and excellent cutting process performance.
- ⊗ **Strong Power Grid Adaptability:** Ensures very stable cutting current and plasma arc.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC, 50Hz/60Hz
- ⊗ **Input Cable:** ≥ 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** Torch length ≤ 25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Digital Plasma Cutting Machine [External Plasma]

Product Type	LGK-60S(Dual Power)
Rated Input Power	AC220V/380V 50/60Hz
Rated Input Capacity	10KVA
Rated Output	60A
No-Load Voltage	320V
Current Range	20-60A
Maximum Cutting Thickness	20mm
Duty Cycle	60%
Arc Ignition Method	High-frequency non-contact
Insulation Class	Class F
Dimensions	43x23x38cm
Weight	12kg

LGK-80A/100A Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Industrial-Grade Dual-Module Configuration:** Provides high current and strong cutting ability.
- ⊗ **High Load Duty Cycle:** Suitable for long-term cutting work with a high endurance rate.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Infinitely Adjustable Cutting Current:** Precise stepless adjustment, suitable for workpieces of different thicknesses.
- ⊗ **Excellent Arc Stability:** Delivers smooth cuts and excellent cutting process performance.
- ⊗ **Soft Rise of Arc Cutting Current:** Reduces arc starting impact and torch damage.
- ⊗ **Strong Power Grid Adaptability:** Ensures very stable cutting current and plasma arc.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC, 50Hz/60Hz
- ⊗ **Input Cable:** ≥ 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 25mm², Torch length ≤ 25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

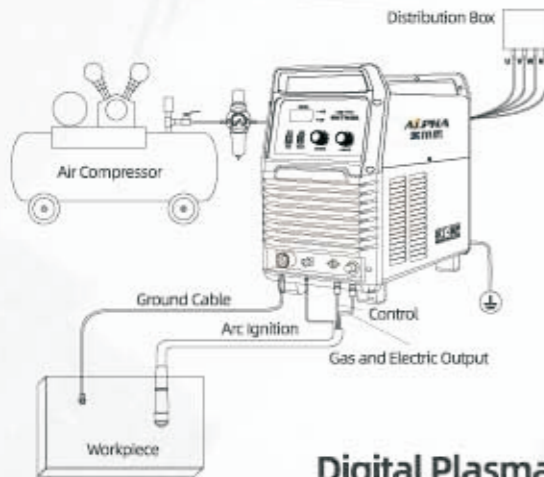
Digital Plasma Cutting Machine [External Plasma]

Product Type	LGK-80A	LGK-100A
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	11.7KVA	15.7KVA
Rated Output	80A	100A
No-Load Voltage	312V	320V
Duty Cycle	60%	60%
Current Range	25-80A	25-100A
Quality Cutting Thickness	15mm	25mm
Maximum Cutting Thickness	30mm	40mm
Insulation Class	Class F	Class F
Dimensions	47x23.5x43.5cm	51.5x26.5x47.5cm
Weight	20kg	24.5kg

LGK-130A / 160 (Compact)

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Industrial-Grade Dual-Module Configuration:** Provides high current and strong cutting ability.
- ⊗ **High Load Continuous Duty Cycle:** Suitable for long-term cutting work with a high endurance rate.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Infinitely Adjustable Cutting Current:** Precise stepless adjustment, suitable for workpieces of different thicknesses.
- ⊗ **Excellent Arc Stability:** Delivers smooth cuts and excellent cutting process performance.
- ⊗ **Slow Rise of Arc Cutting Current:** Reduces arc impact and nozzle damage.
- ⊗ **Strong Power Grid Adaptability:** Ensures very stable cutting current and plasma arc.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, enabling stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC ±10%, 50Hz/60Hz
- ⊗ **Input Cable:** ≥ 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 25mm², Torch length ≤ 25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Digital Plasma Cutting Machine [External Plasma]

Product Type	LGK130A	LGK160A (Compact)
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	22.5KVA	23.6KVA
Rated Output	130A	160A
No-Load Voltage	326V	340V
Duty Cycle	60%	60%
Current Range	25-130A	25-135A
Quality Cutting Thickness	35mm	40mm
Maximum Cutting Thickness	45mm	50mm
Insulation Class	Class F	Class F
Dimensions	61.5x30.5x58cm	61.5x30.5x58cm
Weight	36.8kg	43kg

LGK-160/200/300/400

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Industrial-Grade Four-Module Configuration:** Provides high current and strong cutting ability.
- ⊗ **Special Design for CNC and Robotic Cutting:** Suitable for portable CNC, gantry CNC, and robotic cutting applications.
- ⊗ **High Load Continuous Duty Cycle:** Suitable for long-term cutting work with a high endurance rate.
- ⊗ **Non-Contact High-Frequency Arc Ignition:** Ensures a high success rate of arc ignition with low interference.
- ⊗ **Automatic Protection Functions:** Equipped with under-voltage, water shortage, and overheating protection to prevent torch damage.
- ⊗ **Precise Preset Cutting Current:** Stepless adjustment suitable for workpieces of different thicknesses.
- ⊗ **Adaptable to Power Grid Fluctuations:** Ensures very stable cutting current and plasma arc.
- ⊗ **Excellent Characteristics:** Provides good arc stiffness, smooth cuts, and excellent cutting process performance.
- ⊗ **Slow Rise of Arc Cutting Current:** Reduces arc ignition impact and torch damage.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing design for enhanced operational convenience.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC ±10%, 50Hz/60Hz
- ⊗ **Input Cable:** ≥ 16mm²
- ⊗ **Distribution Switch:** 150A
- ⊗ **Output Cable:** 35mm², Torch length ≤ 25 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Digital Plasma Cutting Machine [Manual/Automatic]

Product Type	LGK-160	LGK-200	LGK-300	LGK-400
Input Power	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	30.5KVA	39.2KVA	62.7KVA	94.4KVA
Rated Output	160A	200A	300A	400A
No-Load Voltage	340V	354V	375V	375V
Current Range	25-160A	25-200A	25-300A	25-400A
Center Hole Thickness	20mm	25mm	32mm	40mm
Maximum Cutting Thickness	55mm	65mm	85mm	100mm
Duty Cycle	60%	60%	60%	90%
Arc Ignition Method	High-frequency non-contact	High-frequency non-contact	High-frequency non-contact	High-frequency non-contact
Insulation Class	Class F	Class F	Class F	Class F
Dimensions	68x35.5x96cm	68x35.5x96cm	68x35.5x96cm	75x45x104cm
Weight	74kg	88kg	93kg	120kg

WS-200D(MOS) WS-250D(MOS)

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Advanced Inverter Technology:** Effectively extends the service life of the entire machine.
- ⊗ **Comprehensive Protection:** Perfect under-voltage, over-voltage, and current protection ensures safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 220V, 50/60Hz
- ⊗ **Input Cable:** ≥ 2.5mm²
- ⊗ **Distribution Switch:** 30A
- ⊗ **Output Cable:** Torch length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Integrated High-Speed Gas Shielded Welding Machine

Product Type	WS-200D(MOS)	WS-250D(MOS)
Input Power	220V 50/60Hz	220V 50/60Hz
Rated Input	19A	26A
Rated Input Capacity	4.4KVA	5.6KVA
Power Factor	0.7	0.7
No-Load Voltage	59V	59V
Welding Current Range	10-160A	10-180A
Cooling Method	Air Cooling	Air Cooling
Duty Cycle	35%	35%
Efficiency	85%	85%
Insulation Class	Class F	Class F
Dimensions	38x15x30cm	38x15x30cm
Weight	6.7kg	6.7kg

WS-200/250

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Advanced Inverter Technology:** Effectively extends the service life of the entire machine.
- ⊗ **Comprehensive Protection:** Perfect under-voltage, over-voltage, and current protection ensures safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 220V, 50/60Hz
- ⊗ **Input Cable:** ≥ 2.5mm²
- ⊗ **Distribution Switch:** 30A
- ⊗ **Output Cable:** Torch length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Digital Gas Shielded Welding Machine [Dual Pulse]

Product Type	WS-200	WS-250
Input Power	220V 50/60Hz	220V 50/60Hz
Rated Input	19A	26A
Rated Input Capacity	4.4KVA	5.6KVA
Power Factor	0.7	0.7
No-Load Voltage	59V	59V
Welding Current Range	10-160A	10-180A
Cooling Method	Air Cooling	Air Cooling
Duty Cycle	35%	35%
Efficiency	85%	85%
Insulation Class	Class F	Class F
Dimensions	39x15.5x26.5cm	39x15.5x26.5cm
Weight	6.7kg	6.7kg

WS-250T Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Single-Tube Inverter Technology:** Employs IGBT single-tube inverter technology for improved efficiency and durability.
- ⊗ **Comprehensive Protection:** Perfect under-voltage, over-voltage, and current protection ensures safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 220V, 50/60Hz
- ⊗ **Input Cable:** ≥ 2.5mm²
- ⊗ **Distribution Switch:** 30A
- ⊗ **Output Cable:** Torch length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



DC TIG Welding Machine

Product Type	WS-250T
Input Power	220V 50/60Hz
Rated Input	22A
Rated Input Capacity	4.1KVA
Power Factor	0.8
No-Load Voltage	56V
Welding Current Range	10-170A
Cooling Method	Air Cooling
Duty Cycle	60%
Efficiency	85%
Insulation Class	Class F
Dimensions	33x18x32cm
Weight	6.5kg

WS-315T Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **IGBT Single-Tube Inverter Technology:** Employs IGBT single-tube inverter technology for improved efficiency and durability.
- ⊗ **Comprehensive Protection:** Perfect under-voltage, over-voltage, and current protection ensures safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **Stable Welding:** Acid/alkali electrodes and stainless steel electrodes provide stable welding performance.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC 220V, 50/60Hz
- ⊗ **Input Cable:** ≥ 2.5mm²
- ⊗ **Distribution Switch:** 30A
- ⊗ **Output Cable:** Torch length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



DC TIG Welding Machine

Product Type	WS-315T
Input Power	220V 50/60Hz
Rated Input	26A
Rated Input Capacity	5.6KVA
Power Factor	0.8
No-Load Voltage	56V
Welding Current Range	10-200A
Cooling Method	Air Cooling
Duty Cycle	60%
Efficiency	85%
Insulation Class	Class F
Dimensions	37x20x35.5cm
Weight	8.5kg

WS-315/WS-400

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Advanced IGBT Inverter Technology:** Effectively extends the service life of the entire machine.
- ⊗ **Dual IGBT Modules:** Ensures consistent performance and reliable operation with high-performance device and consistent parameters.
- ⊗ **Comprehensive Protection:** Provides perfect under-voltage, over-voltage, and current protection, ensuring safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **Stable Welding:** Acid/alkali electrodes and stainless steel electrodes provide stable welding performance.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380VAC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥ 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 50mm², Torch length ≤ 10 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

DC TIG Welding Machine

Product Type	WS-315	WS-400
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	7.1/10.7KVA	8.5/12KVA
Power Factor	0.8	0.8
No-Load Voltage	66V	68V
Welding Current Range	20-250A	20-290A
Cooling Method	Air Cooling	Air Cooling
Duty Cycle	60%	60%
Efficiency	85%	85%
Insulation Class	Class F	Class F
Dimensions	40.5x21.5x39cm	47x23.5x43.5cm
Weight	13.5kg	17.5kg

WSM-400/500/630

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Advanced IGBT Inverter Technology:** Effectively extends the service life of the entire machine.
- ⊗ **Dual IGBT Modules:** Ensures consistent performance and reliable operation with high-performance devices and consistent parameters.
- ⊗ **Comprehensive Protection:** Provides perfect under-voltage, over-voltage, and current protection, ensuring safety and reliability.
- ⊗ **Precise Digital Presetting:** Digital current presetting for easy and intuitive operation.
- ⊗ **Stable Welding:** Acid/alkali electrodes and stainless steel electrodes provide stable welding performance.
- ⊗ **User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥ 6mm²
- ⊗ **Distribution Switch:** 63A
- ⊗ **Output Cable:** 50mm², Torch length ≤ 15 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

DC Pulse TIG Welding Machine [Dual Models]

Product Type	WSM-400	WSM-500	WSM-630
Input Power	380V 50/60Hz	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	13.9/19.2KVA	20/26.6KVA	28/26.6KVA
Power Factor	0.9	0.9	0.9
No-Load Voltage	70V	74V	74V
Welding Current Range	20-400A	20-500A	20-600A
Cooling Method	Air cooling/water cooling	Air cooling/water cooling	Air cooling/water cooling
Duty Cycle	60%	60%	60%
Efficiency	85%	85%	85%
Insulation Class	Class F	Class F	Class F
Dimensions	55x28.5x53cm	61.5x35x58cm	61.5x35x58cm
Weight	27.5kg	38.5kg	39.5kg

RSN-2500 (Compact) RSN-2500 (Large)

Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Digital Soft-Switch Inverter Technology:** Compact and lightweight for easy portability.
- ⊗ **Automatic Voltage Compensation:** Compensates for power grid voltage fluctuations.
- ⊗ **User-Friendly Panel:** Simple panel for easy adjustments, suitable for novices.
- ⊗ **Versatile Applications:** Suitable for welding steel structures, building floor slabs, bridges, etc.
- ⊗ **Intuitive Digital Display:** Shows welding current and time clearly.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** AC Three Phase, 50/60Hz
- ⊗ **Input Cable:** ≥ 16.0mm²
- ⊗ **Distribution Switch:** 150A
- ⊗ **Output Cable:** 95mm², Torch length ≤ 20 meters
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.

Digital Gas Shielded Welding Machine [Dual Pulse]

Product Type	RSN-2500 (Compact)	RSN-2500 (Large)
Input Power	AC Three Phase 380V 50Hz/60Hz	AC Three Phase 380V 50Hz/60Hz
Rated Input Current	150A	185A
Rated Input Capacity	99KVA	116KVA
No-Load Voltage	100V	100V
Power Factor	0.9	0.9
Welding Current Range	200-2500A	300-2500A
Weldable Stud Diameter	≤22mm	≤25mm
Weldable Stud Length	≤400mm	≤400mm
Insulation Class	Class F	Class F
Dimensions	66x39x76cm	68x36x96cm
Weight	75kg	105kg

MZ-1000/1250

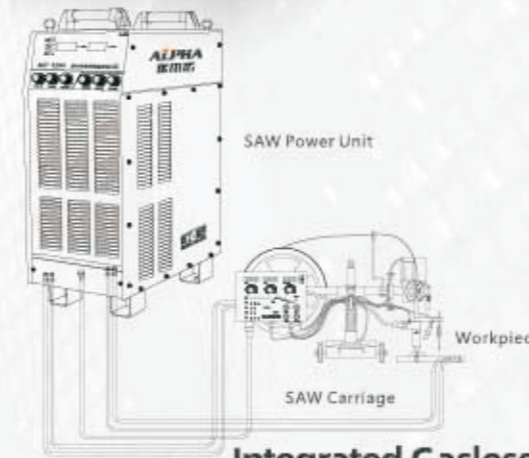
Main Features

- ⊗ **Advanced Electronic Components:** Utilizes the latest electronic components for superior performance.
- ⊗ **Multiple Functions:** Features submerged arc welding (SAW), manual arc welding (MMA), and carbon arc gouging (CAAG).
- ⊗ **Intuitive Digital Display:** Shows actual welding current and voltage clearly.
- ⊗ **Soft-Switching Inverter Technology:** Ensures stable welding current and beautiful welded seams.
- ⊗ **Independent Dual Control System:** Enables dual-station manual arc welding (MMA) and carbon arc gouging (CAAG).
- ⊗ **Constant Current Output:** Adapts to various materials for versatile applications.
- ⊗ **Comprehensive Protection Circuitry:** Includes fault display for easy equipment maintenance.
- ⊗ **High Duty Cycle:** Suitable for heavy industry and high-load work.
- User-Friendly Design:** Features a user-friendly and aesthetically pleasing appearance for convenient operation.
- ⊗ **Three-Proof Design:** Key components are protected against dust, moisture, and water, ensuring stable and reliable operation in harsh environments.



Precautions:

- ⊗ **Input Voltage:** 380V AC ±10%, 50/60Hz
- ⊗ **Input Cable:** ≥ 16.0mm²
- ⊗ **Distribution Switch:** 150A
- ⊗ **Current Range:** 1000A
- ⊗ **Ambient Temperature:** -10°C to +40°C
- ⊗ **Operating Environment:** Ensure unobstructed ventilation, avoid direct sunlight exposure, and maintain a dust-free environment.



Integrated Gasless Welding Machine [Wide Voltage]

Product Type	MZ-1000	MZ-1250
Input Power	380V 50/60Hz	380V 50/60Hz
Rated Input Capacity	57.5KVA	72KVA
No-Load Voltage	80V	80V
Duty Cycle	60%	60%
Wire Feeding Speed Range	20-200cm/min	20-200cm/min
Current Range	40-1000A	40-1250A
Electrode Diameter	3.2-6.0mm	3.2-6.0mm
Weldable Stud Length	25-170cm/min	25-170cm/min
Insulation Class	Class F	Class F
Dimensions	68x36x96cm	68x36x96cm
Weight	82kg	90kg