



NEW
PRODUCTS
CATALOGUE

WELDING CUTTING



TECHNICAL CHARACTERISTICS:

- Special design of the circuit and structure of these welding power sources.
 - Has been authorized China patent of utility.
 - Super Strong ability of the anti-fluctuating of power supply voltage. Under 130~270V, the welding power source will has output current, and can weld.
 - Under longer welding cable, the welding machine can weld.
 - Good waterproof, moisture-proof, mould proof, anti-corrosion, anti-vibration or vibration-proof and anti-conductive dust.
 - Practical protection class exceed IP23.
 - Use powerful IGBT switches and advanced inverter control technology.
 - Use PWM control technology and Constant Current (CC) output control, welding current can be exactly controlled. Continuous adjustment on welding current in large scale.
 - Excellent arc characteristics and good welding performance. With anti-stick, hot start, arc force.
 - Minimizing, lightness, it can be moved easily, high quality and energy savings up to 30%.
 - With Auto protection functions of over-current and over-heat.
 - Be able to weld all kinds of metal, for example carbon steel, alloy steel, cast iron as well as stainless steel etc.
- With complete accessories:
Electrode holder, earth clamp, welding cable, brush/hammer, protective mask, carton box.

1

INVERTER

PHASE

AC

MMA DC

50/60

Hz

HOT START

ANTI STICK

ARC FORCE

DIGITAL DISPLAY

DC

CC

IGBT



Under 130VAC, welding arc is stable by using less than or equal to 2.5mm electrodes.

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% _{USE} 40°C	Ø _{MIN} Ø _{MAX}	η	Φ	IP	H	kg	W _L × L _L
	V	Hz	KVA	A	V	A	A	V	%	mm	%	Cosφ	IP	H	kg	mm
IN-255	230 ± 15%	50 / 60	5	31	86	20-160	200	26.4	25	1.6-5.0	85	0.9	IP21S	H	4.4	340L 150W 260H
IN-295	230 ± 15%	50 / 60	7	41.5	86	20-200	250	28	15	1.6-5.0	85	0.9	IP21S	H	4.5	340L 150W 260H



TECHNICAL CHARACTERISTICS:

- Special design of the circuit and structure of these welding power sources.
 - Has been authorized China patent of utility.
 - Under 180~440V, the welding power source will has output current, and can weld.
 - Under longer welding cable, the welding machine can weld.
 - Good waterproof,moisture-proof,mould proof,anti-corrosion,anti-vibration or vibration-proof and anti-conductive dust.
 - Practical protection class exceed IP23.
 - Use powerful IGBT switches and advanced inverter control technology.
 - Use PWM control technology and Constant Current (CC)output control, welding current can be exactly controlled. Continuous adjustment on welding current in large scale.
 - Excellent arc characteristics and good welding performance. With anti-stick,hot start,arc force.
 - Minimizing,lightness,it can be moved easily,high quality and energy savings up to 30%.
 - With Auto protection functions of over-current and over-heat.
 - Be able to weld all kinds of metal,for example carbon steel,alloy steel, cast iron as well as stainless steel etc.
- With complete accessories:
Electrode holder,earth clamp,welding cable,brush/hammer,protective mask,carton box.

1
PHASE

AC

50/60
Hz

DC

CC

IGBT



MMA WELDING

TIG WELDING

MIG/MAG WELDING

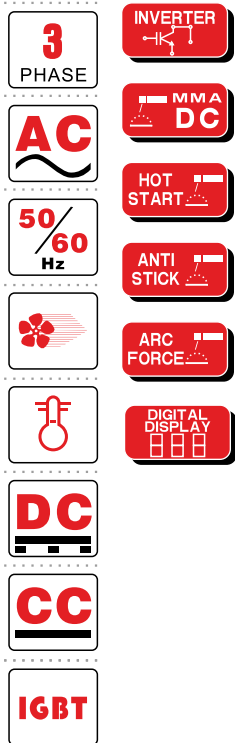
PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% _{USE 40°C}	Ø _{E MAX}	η	Φ	IP	H	kg	W _L × H × L
	V	Hz	KVA	A	V	A	A	V	%	mm	%	Cosφ	IP	IP	kg	mm
IN-295 DV	220/415 ±15%	50/60	7.3	35	70	20-170	220	26.8	60	1.6-5.0	85	0.9	IP21S	H	7	400L 160W 320H
IN-350 DV	220/415 ±15%	50/60	8.9	40	80	20-200	250	28	60	1.6-5.0	85	0.9	IP21S	H	7.1	415L 160W 320H



TECHNICAL CHARACTERISTICS:

- Special design of the circuit and structure of these welding power sources.
 - Has been authorized China patent of utility.
 - Super Strong ability of the anti-fluctuating of power supply voltage. Under 300~460V, the welding power source will has output current, and can weld.
 - Under longer welding cable, the welding machine can weld.
 - Good waterproof, moisture-proof, mould proof, anti-corrosion, anti-vibration or vibration-proof and anti-conductive dust.
 - Practical protection class exceed IP23.
 - Use powerful IGBT switches and advanced inverter control technology.
 - Use PWM control technology and Constant Current (CC) output control, welding current can be exactly controlled. Continuous adjustment on welding current in large scale.
 - Excellent arc characteristics and good welding performance. With anti-stick, hot start, arc force.
 - Minimizing, lightness, it can be moved easily, high quality and energy savings up to 30%.
 - With Auto protection functions of over-current and over-heat.
 - Be able to weld all kinds of metal, for example carbon steel, alloy steel, cast iron as well as stainless steel etc.
- With complete accessories:
Electrode holder, earth clamp, welding cable, brush/hammer, protective mask, carton box.



TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V ₀	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% _{USE 40°C}	Ø _{E MAX}	η	Φ	IP	H	kg	W _L × H × L
	V	Hz	KVA	A	V	A	A	V	%	mm	%	Cosφ	IP	IP	kg	mm
IN-400M	3PHASE 415V±15%	50/60	20	30	55	20-350	400	34	60	1.6-5.0	85	0.9	IP23S	H	22.2	520L 260W 430H
IN-500M	3PHASE 415V±15%	50/60	23	35	55	20-400	500	36	60	1.6-5.0	85	0.9	IP23S	H	22.6	520L 260W 430H

TECHNICAL CHARACTERISTICS:

- All power-supply voltage, for example, three phase 320V-580V, 50/60Hz or single phase 140V-270V etc. Welding machine can be used between 140V and 580V supply voltage
- Use Powerful IGBT Switches and advanced MCU and inverter control technology.
- Use PWM and constant current (CC) output control technology.
- With auto protection functions of over-current and over-heat etc.
- Protection functions of water-proof, mould proof, dampproof, dustproof, corrosion resistant and shakeproof.
- Excellent arc Characteristics, stable arc good welding performance and high quality.
- Energy savings up to 30%.
- Be able to weld all kinds of metal, for example, carbon steel, alloy steel, cast iron as well as stainless steel etc.

3
PHASE

AC

50/60
Hz

DC

CC

IGBT



MMA WELDING

TIG WELDING

MIG/MAG WELDING

PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	V _c	A _{MIN} A _{MAX}	% USE _{40°C}	Ø _{MIN} Ø _{MAX}	η	φ	IP	H	kg	mm
	V	Hz	V	A	%	mm	%	Cosφ	IP		kg	mm
IN-400G	140-580	50/60	65	380V: 40-250 220V: 30-160A	60	1.6-5.0	85	0.9	IP21S	H	8.4	385L 190W 350H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT and advanced inverter control technology.
 - Use PWM control technology and Constant Current(CC) output control,welding current can be exactly controlled.Continuous adjustment on welding current in large scale.
 - Can use DC TIG Welding process.
 - Using DC TIG process and 10m long welding cable of TIG torch ,HF(high frequency)-arc starting,arc is easy to be started .
 - Excellent arc characteristics and good welding performance.With strong ability of the anti-fluctuating of power supply voltage.
 - Minimizing,lightness,it can be moved easily,high quality and energy savings up to 30%.
 - With auto protection function of over-current and over-heat.
 - Practical protection class exceed IP23.
 - Be able to welding all kinds of metal,for example carbon steel,alloy steel,cast Iron as well as stainless steel etc.
- With complete accessories:
TIG torch,earth clamp,welding cable,brush/hammer,protective mask,carton box.

1

INVERTER

AC

TIG/MMA

50/60

TIG
DC-HF

DIGITAL DISPLAY



MMA WELDING
TIG WELDING
MIG/MAG WELDING
PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V ₀	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% USE _{40°C}	Ø _{MIN} Ø _{MAX}	η	cosφ	IP	H	kg	W L H mm
INWS-250	1PHASE 230±15%	50/60	6	28	60	10-200	200	18	40	/	85	0.9	IP23S	H	5.5	340L 155W 260H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT and advanced inverter control technology.
 - Use PWM control technology and Constant Current(CC) output control,welding current can be exactly controlled.Continuous adjustment on welding current in large scale.
 - Can use DC TIG/DC Pulse TIG/MMA Welding process.
 - Using DC TIG and Pulse TIGprocess,HF(high frequency)-arc starting,arc is easy to be started .
 - Excellent arc characteristics and good welding performance.With strong ability of the anti-fluctuating of power supply voltage.
 - Minimizing,lightness,it can be moved easily,high quality and energy savings up to 30%.
 - With auto protection function of over-current and over-heat.
 - Be able to welding all kinds of metal,for example carbon steel,alloy steel,cast Iron as well as stainless steel etc.
- With complete accessories:
TIG torch,earth clamp,welding cable,brush/hammer,protective mask,carton box.

3 PHASE	INVERTER
AC	TIG/MMA
50/60 Hz	TIG DC-HF
	MMA DC
	HOT START
DC	ANTI STICK
CC	ARC FORCE
IGBT	DIGITAL DISPLAY



MMA WELDING
TIG WELDING
MIG/MAG WELDING
PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V ₀	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	%USE _{40°C}	Ø _{MIN} Ø _{MAX}	η	cosφ	IP	H	kg	W L
	V	Hz	KVA	A	V	A	A	V	%	mm	%	cosφ	IP	H	kg	mm
WSM-400D	3PHASE 415V±15%	50/60	13.2	35	70	10-320	400	22.8	60	1.6-5.0	85	0.9	IP21S	H	40	625L 340W 616H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT and advanced inverter control technology.
 - Use PWM control technology and Constant Current(CC) output control, welding current can be exactly controlled. Continuous adjustment on welding current in large scale.
 - Can use DC TIG/DC Pulse TIG/MMA Welding process.
 - Using DC TIG and Pulse TIG process, HF (high frequency)-arc starting, arc is easy to be started.
 - Excellent arc characteristics and good welding performance. With strong ability of the anti-fluctuating of power supply voltage.
 - Minimizing, lightness, it can be moved easily, high quality and energy savings up to 30%.
 - With auto protection function of over-current and over-heat.
 - Be able to welding all kinds of metal, for example carbon steel, alloy steel, cast Iron as well as stainless steel etc.
- With complete accessories:
TIG torch, earth clamp, welding cable, brush/hammer, protective mask, carton box.

3
PHASE

INVERTER

AC

TIG/MMA

50/60
Hz

TIG DC-HF

HOT START

ANTI STICK

DC

ARC FORCE

CC

DIGITAL DISPLAY

IGBT



MMA WELDING
TIG WELDING
MIG/MAG WELDING
PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V ₀	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% _{USE} 40°C	η	Φ	IP	H	kg	mm
WSM-400G	3PHASE 415V±15%	50/60	18	27	68	10-400	450	26/36	60	85	0.9	IP21S	H	37	620L 310W 570H
WSM-500G	3PHASE 415V±15%	50/60	25	38	68	10-500	550	30/40	60	85	0.9	IP21S	H	40	620L 310W 570H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT switches and advanced soft-switch inverter control technology.
 - Use PWM and MPU control technology, Constant voltage (CV) and Constant Current(CC) output control.
 - Can use CO₂, or Ar, or 80%Ar+20%CO₂ shield gas to weld. meets many kinds of welding process demands.
 - Continuous adjustment on welding voltage and current in large scale.
 - Slow wire feed speed and high output voltage before arc-starting, arc is easy to be started.
 - Excellent arc characteristics. good welding performance and little spatter.
 - High weld quality, deep bath and strong strength.
 - Can use all kinds of welding wires to weld.
 - LED digital meters show current and voltage.
 - With two switch optional models of 2T/4T.
 - Minimizing,lightness,it can be moved easily,high quality and energy savings up to 30%.
 - With Auto protection functions of over-current and over-heat.
 - Be able to weld all kinds of metal,for example carbon steel,alloy steel, cast iron as well as stainless steel etc.
 - Industrial electric welding machine,high duty cycle.
- With complete accessories:
MIG/MAG gun,wire feeder,earth clamp,welding cable, gas flow meter,brush/hammer,protective mask, carton case.

MIG/MAG+MMA Welding

- 3** PHASE
- AC**
- 50/60 Hz
- FLUX**
- MMA DC**
- DIGITAL DISPLAY**
- DC**
- CV**
- CC**
- IGBT**



MMA WELDING
TIG WELDING
MIG/MAG WELDING
PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE WIRE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% _{USE 40°C}	Ø _{E MIN} Ø _{E MAX}	Ø _{E MIN} Ø _{E MAX}	η	cosφ	IP	H	kg	W _L × H × L mm
NBC-270	3PHASE 415V±15%	50/60	10.8	15	56	40-270	300	27.5	60	0.8-1.0	1.6-5.0	85	0.9	IP23S	H	16	520L 260W 430H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT switches and advanced soft-switch inverter control technology.
- Use PWM and MPU control technology, Constant voltage (CV) and Constant Current(CC) output control.
- Can use CO₂, or Ar, or 80%Ar+20%CO₂ shield gas to weld, meets many kinds of welding process demands.
- Continuous adjustment on welding voltage and current in large scale.
- Slow wire feed speed and high output voltage before arc-starting, arc is easy to be started.
- Excellent arc characteristics, good welding performance and little spatter.
- High weld quality, deep bath and strong strength.
- Can use all kinds of welding wires to weld.
- LED digital meters show current and voltage.
- With two switch optional models of 2T/4T.
- Minimizing, lightness, it can be moved easily, high quality and energy savings up to 30%.
- With Auto protection functions of over-current and over-heat.
- Be able to weld all kinds of metal, for example carbon steel, alloy steel, cast iron as well as stainless steel etc.
- Industrial electric welding machine, high duty cycle.

With complete accessories:

MIG/MAG gun, wire feeder, earth clamp, welding cable, gas flow meter, brush/hammer, protective mask, carton case.

MIG/MAG+MMA Welding

- 3** PHASE
- AC**
- 50/60 Hz
- DC**
- CV**
- CC**
- IGBT**

- INVERTER**
- MIG-MAG**
- FLUX**
- MMA DC**
- DIGITAL DISPLAY**



MMA WELDING

TIG WELDING

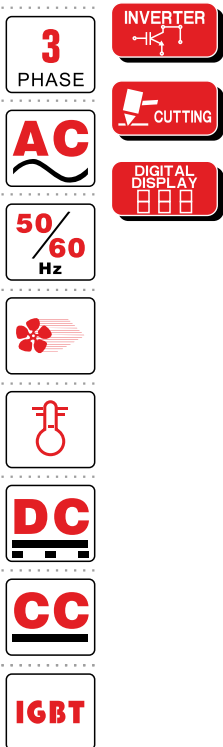
MIG/MAG WELDING

PLASMA CUTTING

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	WELDING CURRENT RANGE	WELDING CURRENT MAX	RATED WELDING VOLTAGE	RATED DUTY CYCLE	USABLE ELECTRODE	EFFICIENCY	POWER FACTOR	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V ₀	A _{MIN} A _{MAX}	A _{MAX}	U _{OUT}	% USE _{40°C}	Ø _{MIN} Ø _{MAX}	η	cosφ	IP	H	kg	W × H × L mm
NBC-400 D	3PHASE 415V±15%	50/60	14	24	75-85	40-350	350	32	60	0.8-1.6	85	0.9	IP21S	H	35	600L 310W 540H
NBC-500 D	3PHASE 415V±15%	50/60	24	40	75-85	30-500	500	40	60	0.8-1.6	85	0.9	IP21S	H	39	620L 310W 570H

TECHNICAL CHARACTERISTICS:

- Use powerful IGBT switches and advanced inverter control technology.
 - Use PWM control technology and Constant Current (CC) output control, Cutting current can be exactly controlled. Continuous adjustment on Cutting current in large scale.
 - Can use air plasma arc cutting process to cut all kinds of metal, reasonable price with high quality.
 - Air plasma arc is easy to be started.
 - Excellent arc characteristics, Simple operation, smooth cutting surface and good performance. With strong compensation capability.
 - Minimizing, lightness, it can be moved easily, high quality and energy savings up to 30%.
 - With Auto protection functions of over-current and over-heat.
 - High cutting speeds (3 to 4 times higher than with oxy/fuel cutting) and low dead times (no preheating required).
 - Industrial electric cutting machine, high duty cycle.
- With complete accessories:
Cutting torch, earth clamp and cutting cable, brush/hammer, air pressure guage, carton box, etc.



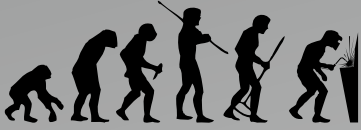
MMA WELDING

TIG WELDING

MIG/MAG WELDING

PLASMA CUTTING

TECHNICAL CHARACTERISTICS	V	Hz	P	A	V	A _{MIN} A _{MAX}	A _{OUT}	U _{OUT}	% USE 40%	AIR PRESSURE	η	Φ	+	↓	IP	H	kg	mm
	V	Hz	KVA	A	V	A	A	V	%	bar	%	Cosφ	mm	L/min	IP	H	kg	mm
LGK-80S	3PHASE 415V ±15%	50/60	26	15	265	30-60	60	104	60	4.0-5.0	85	0.9	0.2-20	100	IP21S	H	24	580L 290W 490H
LGK-100S	3PHASE 415V ±15%	50/60	30	24	300	30-100	100	120	60	4.0-5.0	85	0.9	0.2-30	100	IP21S	H	28	580L 290W 490H



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