



- Arc Welding Machines
- MIG Welding Machines
- TIG Welding Machines
- Cut Welding Machines
- Mz Welding Machines



Innovative Quality Engineered for your Satisfaction





Our Company

Orbit Weld Equipments has been specializing in design, manufacture and commercialization with its continuous Innovation. We devote ourselves in inverter welding field persistently with its rapid development, cost-effective mid and high-end industrial inverter welders ratio has been launched continuously.

Orbit Weld Equipments is an ISO 9001:2015 certificated enterprise and our products Cover multifunctional Pulsed TIG welding machine, Pulsed AC/ DC Square wave TIG welding machine, Inverter Plasma cutting machine, General & Industrial MMA welding machine, MIG/CO2 welding machine, Capacitor Discharge Stud welding machine and inverter SAW welding machine, totally seven series. More than 40 models can meet different industrial technical requirements.

We inherit high-quality service to create the greatest value of marketing concept for customers. Company's success not only depends on the advanced technology, professional design and lean production, but customers trust and support as well. We are Committed to the long-term development of the enterprise and believe that quality is the red testimony.

Best Quality, optimal performance, high cost-performance and creating for valued Customers are our mission statement. We sincerely welcome worldwide friends cooperate together and create a glorious future.



Power Icons



Unit requires single-phase input power







Frequency of input powe



Fan cooling



Auto protection function of over-heat or over current



Unit supplies alternating current input or output



Unit supplies direct current output



Unit supplies constant current output



Unit supplies constant voltage output



Use powerful IGBT tube switches to control inverter power source



Use powerful MOSFET switches to control inverter power source



Use powerful IGBT Module to control inverter power source

Contents







MIG(GMAW)

- Easiest process to learn
- High welding speeds possible
- · Provides better control on thinner metals
- Cleaner welds possible with no slag to clean
- Same equipment can be used for Flux Cored welding



Stick(SMAW)

- Better suited for windy, outdoor conditions
- More forgiving when welding on dirty or rusty metal



TIG(GTAW)

- Provides highest quality and most precise welds
 Highly aesthetic weld beads
- Allows adjustment of heat input while welding by use
 of a remote control

Pulsed TIG(GTAW-P)

- More control on thin metals
- Less heat distortion on thin metals

Plasma Arc Cutting and Gouging (PAC)

- Use with any electrically conductive metals
- Small and precise cut
 Small heat-affected zone which helps prevent warping or paint damage



Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Auto-protection against over-voltage, over loading and over-heat, reliable and durable.
- · Effective arc force compensation, easy arc-striking, less spark, perfect welding result.
- Compact size, light weight, high efficiency and power saving.
- Suitable for all kinds of acid and alkaline welding rod.
- Suitable welding materials: carbon steel, stainless steel, low alloy steel etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE E	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz		A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ Cos¢	H	IP IP	kg kg	w,∔∟ mm
ARC 200	AC220V ±15%	50/60	6.8	24	32.8	59	20-160	26.4	60	85	0.73	F	IP21	6.8	L375 W150 H235
ARC 200A	AC220V ±15%	50/60	8.5	24	32.8	59	20-190	26.4	60	85	0.73	F	IP21	8	L375 W150 H235



Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Auto-protection against over-voltage, over loading and over-heat, reliable and durable.
- ARC force and hot start adjustable, easy arc-striking, less spark, perfect welding result.
- Compact size, light weight, high efficiency and power saving.
- Suitable for all kinds of acid and alkaline welding rod.
- Suitable welding materials: carbon steel, stainless steel, low alloy steel etc.



	POWER F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V	Hz Hz	KVA	A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊅L mm
ARC 250(SPH)	AC220V ±15%	50/60	10.2	46.4	65.6	56	20-220	28.8	60	85	0.73	F	IP21	13	L480 W205 H310
ARC 250(3PH)	AC380V ±15%	50/60	8.0	12.2	17.3	60	20-220	28.8	60	85	0.93	F	IP21	13	L480 W205 H310



Features:

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MODEL	V V	Hz Hz	KVA	A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ Cos¢	H	IP IP	kg kg	w,⊅L mm
ARC 300S	AC220V ±15%	50/60	10.2	46.4	65.6	56	20-220	28.8	60	85	0.73	F	IP21	13	L480 W205 H310
ARC 300	AC380V ±15%	50/60	8.0	12.2	17.3	60	20-220	28.8	60	85	0.93	F	IP21	13	L480 W205 H310



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MODEL	V	Hz Hz	KVA	A A	I _{max} ≢ A	V.	A ^{MIN} A	U _{out} V	%USE %	n = %	φ _{Cos¢}	H	IP IP	kg kg	w ⊭ ∟ mm
ARC 400 MOS	AC380V ±15%	50/60	13.9	21.1	29.8	65	30-330	33.2	60	85	0.93	F	IP21	26	L565 W305 H434

Note: Due to continues improvements, design and specification of the products may slightly vary from the product in this catalogue

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Features:

- · Adopting powerful IGBT tube and nanometer crystal transformer, advanced inverter technology.
- Waterproof, dustproof and anti-corrosion cooling system improve the reliable and duty cycle, widely used for outdoor work at 40 degree.
- Widely welding for acid electrode and basic electrode, etc.
- · Auto-protection against over-voltage, over loading and over-heat, reliable and durable.
- Built-in arc force, hot start, anti-sticking and VRD.
- Suitable welding materials: carbon steel, stainless steel, low alloy steel, special for 5.0mm rod no stop welding.



	POWER F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A A	I _{max} ≢ A	V.	A ^{MIN} A	U _{out} V	%USE %	n = %	φ _{Cos¢}	H	IP IP	kg kg	w,∔-L mm
ARC 400G	AC380V ±15%	50/60	15.6	23.8	33.6	64	30-360	34.4	60	85	0.93	F	IP21	20	L485 W230 H365



Features:

- Importing IGBT module inverter technology, high IGBT switching frequency as 20KHz, rapid dynamic response, optmized welding performance.
- Inside advanced tri-proof cooling system design, dust-proof, moisture-proof and eroding-proof. 90% duty cycle at 45 degree, to weld 5.0mm rod continuously even if spread 100 meter cable.
- Hot start and arc force adjustment are available. So it is very good for arc striking and anti-sticking . And also VRD • function is selected.
- Transformer is nanometer material, can work under very high temperature.
- Rugged metal sheet housing, ideal for out door welding, real heavy industrial products.
- Excellent power source for carbon arc gouging, good performance for cellulosic rod no op stop welding.



	POWER F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE F	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A ■	I _{max} ≢ A	V.	<u>Amax</u> A	U _{out} V	%USE %	n ≢ %	φ∎ _{Cos¢}	H	IP IP	kg kg	w₄±→∟ mm
ARC 400IJ	AC380V ±15%	50/60	18.2	27.6	39	67	30-400	36	60	85	0.93	F	IP21	36	L550 W280 H435



Features:

- Importing IGBT module inverter technology, high IGBT switching frequency as 20KHz, rapid dynamic response, optmized welding performance.
- Inside advanced tri-proof cooling system design, dust-proof, moisture-proof and eroding-proof. 90% duty cycle at 45 degree, to weld 5.0mm rod continuously even if spread 100 meter cable.
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MODEL	V V	Hz Hz	KVA	A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,∔L mm
ARC 500	AC380V ±15%	50/60	25.3	38.3	54	67	30-500	40	80	85	0.93	F	IP21	40	L650 W310 H520
ARC 630	AC380V ±15%	50/60	32.5	49.5	70.0	75	30-590	43.6	80	85	0.93	F	IP21	50	L650 W310 H520





Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- · Adopting high-frequency increasing voltage arc striking technology, easy arc striking, well recognition with users.
- Unique output characteristics design, suitable for wire filling welding, perfect welding results.
- Dual welding process: TIG DC/MMA.
- Auto-protecton against over-voltage, over loading and over-heat, reliable and durable.





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- Adopting high-frequency increasing voltage arc striking technology, easy arc striking, well recognition with users.
- Unique output characteristics design, suitable for wire filling welding, perfect welding results.
- Dual welding process: TIG DC/MMA.
 - · Auto-protecton against over-voltage, over loading and over-heat, reliable and durable.



TIG 250S TIG 250

TIG 300S

TIG 300

	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V v	Hz Hz	KVA		I _{max} ≡ A	V.	<u>Amin</u> A	U _{out} V	%USE %	¶∎ %	φ _{Cos¢}	H	IP IP	kg kg	w,↓ mm
TIG 250S	AC220V ±15%	50/60	7.1	32.3	45.6	56	10-230	19.2	60	85	0.73	F	IP21	16	L480 W205 H310
TIG 250	AC380V ±15%	50/60	5.6	8.5	12	56	10-230	19.2	60	85	0.93	F	IP21	16	L480 W205

Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Adopting high-frequency increasing voltage arc striking technology, easy arc striking, well recognition with users.
- Unique output characteristics design, suitable for wire filling welding, perfect welding results.
- Dual welding process: TIG DC/MMA.
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	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V v	Hz Hz			I _{max} = A	V.	A ^{MIN} A	U _{out} V	%USE %	n = %	φ∎ _{Cos¢}	H	IP IP	kg kg	w≱∔L mm
TIG 300S	AC220V ±15%	50/60	7.1	32.3	45.6	56	10-230	19.2	60	85	0.73	F	IP21	16	L480 W205 H310
TIG 300	AC380V ±15%	50/60	5.6	8.5	12	56	10-230	19.2	60	85	0.93	F	IP21	16	L480 W205



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MODEL	V V	Hz _{Hz}	KVA		I _{max} =	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ∎ _{Cos¢}	H	IP IP	kg kg	w₄⊥→∟ mm
TIG 400IJ	AC380V ±15%	50/60	18.2	28.3	65	65	10-390	26	60	85	0.93	F	IP21	25	L550 W280 H435

NVERTER Features:

DC

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Adopting high-frequency increasing voltage arc striking technology, easy arc striking, well recognition with users.
- Unique output characteristics design, suitable for wire filling welding, perfect welding results.
- Dual welding process: TIG DC/MMA.
- Auto-protecton against over-voltage, over loading and over-heat, reliable and durable.



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	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE E	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V ▼	Hz Hz	KVA		I _{max} = A	V. V	A ^{MIN} A	U _{out} V	%USE %	n %	φ∎ _{Cos¢}	H	IP IP	kg kg	w,⊥+∟ mm
TIG 400MOS	AC220V ±15%	50/60	13.2	20	28.3	65	10-390	26	60	85	0.93	F	IP21	25	L480 W330 H310

Note: Due to continues improvements, design and specification of the products may slightly vary from the product in this catalogue

TIG 400 MOS

TIG/MMA 🎮



- Upgrade square wave power source, current with high speed through the zero, arc is stable no high frequency stabilizer is necessary.
- Good arc stiffness, heat concentrated, easy to fill wire, is especially suitable for filler wire welding in bicycle industry.
- Super oxide film clean capability, clean time is adjustable steplessly, beautiful and bright welded seam.
- Has connector to foot control, convenient for workers's operation.
- Built in over current, over heat, over voltage, low voltage alarm and protection circuit, safe and reliable when operating.
- High duty cycle, may work continuously with high current.
- Suitable for welding aluminum and its alloy, carbon steel, stainless steel, copper, titanium etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A A	I _{max} = A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊥→L mm
TIG 200 AC/DC	AC220V ±15%	50/60	5.4	24.5	34.6	56	10-190	17.6	60	85	0.73	F	IP21	20	L500 W335 H315

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Features:

Upgrade square wave power source, current with high speed through the zero, arc is stable no high frequency stabilizer is necessary.

Good arc stiffness, heat concentrated, easy to fill wire, is especially suitable for filler wire welding in bicycle industry.

Super oxide film clean capability, clean time is adjustable steplessly, beautiful and bright welded seam.

Has connector to foot control, convenient for workers's operation.

Built in over current, over heat, over voltage, low voltage alarm and protection circuit, safe and reliable when operating.

High duty cycle, may work continuously with high current.

Suitable for welding aluminum and its alloy, carbon steel, stainless steel, copper, titanium etc.

TIG 315 AC/DC

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	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz _{Hz}	KVA		I _{max} = A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ∎ _{Cos¢}	H	IP IP	kg kg	w, ⊥ ⊥ mm
TIG 315 AC/DC	AC380V ±15%	50/60	8.3	12.7	18	54	10-275	22	60	85	0.93	F	IP21	30	L535 W360 H460



WERTER Features:

Upgrade square wave power source, current with high speed through the zero, arc is stable no high frequency stabilizer is necessary.

Good arc stiffness, heat concentrated, easy to fill wire, is especially suitable for filler wire welding in bicycle industry. Super oxide film clean capability, clean time is adjustable

steplessly, beautiful and bright welded seam.

Has connector to foot control, convenient for workers's operation.

Built in over current, over heat, over voltage, low voltage alarm and protection circuit, safe and reliable when operating.

High duty cycle, may work continuously with high current. Suitable for welding aluminum and its alloy, carbon steel, stainless steel, copper, titanium etc.

TIG 500 AC/DC



	POWER SUPPLY	FREQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V	Hz Hz	KVA		I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊅⊥ mm
TIG 500 AC/DC	AC380V ±15%	50/60	13.2	20	28.3	65	10-390	26	60	85	0.93	F	IP21	25	L535 W360 H460



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MIG 250FS



- Advanced 100KHz frequency MOSFET & IGBT inverter technology.
- Auto-protection against over-voltage, over loading and over-heat, reliable and durable.
- Perfect MIG welding performance.
- Separate wire feeder enlarge welding area, easy to operate.



	POWER SUPPLY	FREQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V	Hz Hz	KVA		I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n = %	φ _{Cos¢}	H	IP IP	kg kg	w₄⊥≁∟ mm
MIG 250FS	AC220V ±15%	50/60	10	45.7	64.6	56	50-240	26	60	85	0.73	F	IP21	16.5	L480 W205 H310
MIG 250F	AC380V ±15%	50/60	7.9	12.8	18	60	50-240	26	60	85	0.93	F	IP21	16.5	L480 W205 H310



- Advanced 100KHz frequency MOSFET & IGBT inverter technology.
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MODEL	V V	Hz Hz	KVA	A A	I _{max} =	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,↓ mm
MIG/MMA 250	AC380V ±15%	50/60	7.9	12.8	18	60	50-240	26	60	85	0.93	F	IP21	16.5	L480 W205 H310

MIG/MMA 🎮 🚗



- One of the most professional MIG/MAG/MMA welder.
- Adopting most advanced inverter technology and importing IGBT modular, current-mode control PWM, reliable quality and stabel performance
- Multifunctional, MMA/MIG/MAG functions, can do welding of solid wire and flux core wire.
- Super voltage compensasion makes constant welding current even if tough power net.
- Built-in electronic inductance function, welding stable, less spatter, deep welding pool, bright welding seam, premiun welding solution.
- Unique and patent cabinet, rugged and heavy duty.



	POWER SUPPLY	FREQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	FFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz		A A	I _{max} ≡ A	V₀ V	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,≭→∟ mm
MIG 400IJ	AC380V ±15%	50/60	17	26	36.7	65	60-400	39	80	85	0.93	F	IP21	30	L530 W290 H450

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- One of the most professional MIG/MAG/MMA welder.
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MODEL	V V	Hz Hz		A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	¶ %	φ Cos¢	H	IP IP	kg kg	w,⊐⊥ mm
MIG 500IJ	AC380V ±15%	50/60	24.7	37.3	52.7	65	60-500	16.5-50	80	85	0.93	F	IP21	36	L585 W315 H480

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MODEL	V V	Hz _{Hz}	KVA	A ■	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊥→L mm
MIG 630IJ	AC380V ±15%	50/60	35	55	52.7	65	60-500	16.5-50	80	85	0.93	F	IP21	30	L585 W315 H480

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Features:

- Adopting high speed DSP digital control technology, with single pulse and double pulse function.
- Synergic regulation, convenient, with memory storage function.
- Four roller wire feeding, with trolley, easy to move.
- High efficiency of welding for low carbon steel, stainless steel and Aluminum, it is 3 times than TIG welding.
- Excellent welding performance for thin plate and medium thickness of carbon steel, stainless steel, especially Aluminum.





MIG 500 PULSE

	POWER SUPPLY	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz _{Hz}		A A	I _{max} ≡ A	V₀ V	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊭ mm
MIG 500 PULSE	AC380V ±15%	50/60	24	36	36	80	20-500	39	60	93	0.93	F	IP21	220	L910 W452 H900

Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Using compressed air as cutting air, high economic benefit.
- Arbitrary curvilinear cutting for different thickness of the metal plate.
- Stable cutting plasma arc, fast cutting speed, smooth cutting, small deformation, less hang slag.
- Contact or non-contract two arc starting way.
- Can be widely used in chemical machinery, pressure vessel, decoration industrial, kitchen ware, shipbuilding, vehicle, farm machinery industry.
- Can cut stainless steel, carbon steel, alloy steel, aluminum, nickel, titanium etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE E	FFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz		A A	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊭ mm
CUT 40	AC220V ±15%	50/60	6.2	28	40	232	20-40	96	60	85	0.73	F	IP21	7.8	L375 W150 H235

Note: Due to continues improvements, design and specification of the products may slightly vary from the product in this catalogue

TRILOND®

Features:

- Adopting 100KHz MOSFET inverter technology, extremely reliable.
- Using compressed air as cutting air, high economic benefit.
- Arbitrary curvilinear cutting for different thickness of the metal plate.
- Stable cutting plasma arc, fast cutting speed, smooth cutting, small deformation, less hang slag.
- Contact or non-contract two arc starting way.
- Can be widely used in chemical machinery, pressure vessel, decoration industrial, kitchen ware, shipbuilding, vehicle, farm machinery industry.
- Can cut stainless steel, carbon steel, alloy steel, aluminum, nickel, titanium etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A ■	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	¶ %	φ _{Cos¢}	H	IP IP	kg kg	w,⊅⊥ mm
CUT 60	AC380V ±15%	50/60	8.9	13.5	19.1	250	20-60	104	60	85	0.93	F	IP21	17	L480 W250 H310



- Adopting advanced IGBT inverter technology, extremely reliable.
- Un-touch start system of pilot arc, smooth arc-striking with HF control.
- Quality cutting thickness with fast cutting speed, smooth cutting, small deformation, less hang slag.
- · Auto-protection against over-voltage, over current and over-heating
- Economical and affordable industrial cutting machine.
- Can be widely used in chemical machinery, pressure vessel, decoration industrial, kitchen ware, shipbuilding, vehicle, farm machinery industry.
- Can cut stainless steel, carbon steel, alloy steel, aluminum, nickel, titanium etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz _{Hz}		A ■	I _{max} ≡ A	V.	A ^{MIN} A	U _{out} V	%USE %	n = %	φ _{Cos¢}	H	IP IP	kg kg	w,⊐⊥L mm
CUT 100IJ	AC380V ±15%	50/60	15	24.5	34.7	275	20-100	144	60	85	0.93	F	IP21	20	L485 W230 H365

Note: Due to continues improvements, design and specification of the products may slightly vary from the product in this catalogue





- Adopting advanced IGBT modular inverter technology, extremely reliable.
- Un-touch start system of pilot arc, smooth arc-striking with HF control.
- Quality cutting thickness with fast cutting speed, smooth cutting, small deformation, less hang slag.
- · Auto-protection against over-voltage, over current and over-heating
- Economical and affordable industrial cutting machine.
- Can be widely used in chemical machinery, pressure vessel, decoration industrial, kitchen ware, shipbuilding, vehicle, farm machinery industry.
- Can cut stainless steel, carbon steel, alloy steel, aluminum, nickel, titanium etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE	EFFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A A	I _{max} ≡ A	V.	A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w,⊥→L mm
CUT 160 PRO	AC380V ±15%	50/60	23	32.3	44.2	285	30-160	144	60	85	0.93	F	IP21	55	L583 W315 H482

Note: Due to continues improvements, design and specification of the products may slightly vary from the product in this catalogue

SAW/KR/OTHERS Acc.



Features:

- With double heavy-duty IGBT modular consist of full-bridge inverter to output extrem strong power.
- Tri-welding process, SAW, carbon arc gouging and MMA.
- Auto-protection against over-voltage, over-current and over-heating.
- With flexible wire-feeding speed and stable arc to achieve good melting depth and uniform and perfect welding seam.
- Widely used for shipyard, heavy iron fabrication, large power plant construction etc.



	POWER SUPPLY F	REQUENCY	RATED INPUT POWER	EFFECTIVE INPUT CURRENT	MAX. INPUT CURRENT	NO LOAD VOLTAGE	CURRENT ADJUSTMENT SCOPE	RATED OUTPUT VOLTAGE	DUTY CYCLE E	FFICIENCY	POWER FACTOR	INSULATION GRADE	HOUSING PROTECTION GRADE	WEIGHT	DIMENSIONS
MODEL	V V	Hz Hz	KVA	A A	I _{max} ≡ A	V. V	A ^{MIN} A	U _{out} V	%USE %	n %	φ _{Cos¢}	H	IP IP	kg kg	w, ↓ mm
MZ 1000	AC380V ±15%	50/60	56	84.3	120	72	112-1000	44	60	85	0.93	F	IP21	85	L760 W380 H820
MZ 1250	AC380V ±15%	50/60	70	105.4	150	80	112-1250	44	60	90	0.93	F	IP21	98	L760 W380 H820

WATER COOLING / SPARE PARTS Acc.

Features:

- No priming required(prolong the life of water cooling torch and tungsten electrode).
- Quick file in & drain out. Simple maintenance &visible water tank.
- 200mm fan for the big radiator.
- Easy operation & high heat exchange.
- Excellent design for ventilation.
- Compact & portable.
- Ideal for MIG, ITG, PLASMA, SPOT, etc. Welding equipment.



	POWER SUPPLY	FREQUENCY	RATED INPUT POWER(W)	TANK (L)	FLOW RATE (L / MIN)	HEAD (M)	HOUSING PROTECTION GRADE	WEIGHT kg	DIMENSIONS
CT 10	AC220V ±15%	50/60	135	10	8	8	IP21	16.5	L565 W325 H385
СТ 20	AC220V ±15%	50/60	185	20	10	10	IP21	16.5	L400 W540 H470



Remote





PCB



PCB



Transformers

Control Module



I{ILOND[®]

SAW/KR/OTHERS Acc.

KILOND°





Earth clamp





300A



Cable connector 35-50 16-25 50-70 Regulator



SAW/KR/OTHERS Acc.



Power plug



For cutting torch





Nozzle







NOTE





We Serve Best Quality Products & Service





Worldwide Co-operation Success Together



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