



# Shenzhen Weldway Technology Co., Ltd.

Products List

## **Shenzhen Weldway Technology Co., Ltd.**

("Weldway" for short) is a national high-tech enterprise in Shenzhen, China. The company specializes in the R&D, manufacturing, marketing & sales functions of the inverter welding & cutting machines. It is our mission to support and contribute to the market demand and market development for the industry all over the world.



Weldway is located in the China Market front line city Shenzhen which delivers a very convenient transportation network access to the world and shares the border with the international famous metropolis of Hong Kong.

The company has the industry's top technical and management team to strict quality control system manufacturers, traders and create a cost-effective high-quality products.







We sincerely wish to establish long-term cooperation relationships with you !!!

# ARC/MMA MOS Series



## Features

- Self-adaptive arc force and hot start built-in, anti-sticking.
- Fan as needed, reduce noise and dust inside the machine.
- Suitable for acid and basic electrode.






Parameter	ARC200T	ARC200	ARC250S (ARC300S)	ARC250	ARC315	ARC400
						
Inverter Technology	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	43.6	43.6	55.2	14.4	19.7	27.6
No-load Voltage(V)	59	58	59	60	59	59
Output Current Range(A)	160	180	200	220	315	360
Rated Output Voltage(V)	28	28	32	30	32.6	36
Duty Cycle(%)	60	60	60	60	60	60
No-load Loss(W)	40	40	80	60	80	80
Efficiency(%)	80	80	80	85	85	85
Power Factor	0.73	0.73	0.73	0.93	0.93	0.93
Insulation Grade	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21
Net Weight(kg)	7	8	14	13.5	17.5	23
Packing Dimension(mm)	440x260x340	440x260x340	580x315x415	580x315x415	550x410x350	665x415x555

# ARC/MMA IGBT Series



## Features

- Arc force adjustable.
- New IGBT technology.
- Self-adaptive hot start built-in, anti-sticking.
- Suitable for acid electrode and basic electrode.


Parameter	ARC200GT	ARC200G	ARC250GS (ARC300GS)	ARC315G	ARC400T
					
Inverter Technology	IGBT	IGBT	IGBT	IGBT	IGBT
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	43.6	43.6	55.2	19.7	27.6
No-load Voltage(V)	58	58	59	59	59
Output Current Range(A)	140	160	180-190	220	280
Rated Output Voltage(V)	28	28	32	32.6	36
Duty Cycle(%)	60	60	60	60	60
No-load Loss(W)	40	40	60	80	80
Efficiency(%)	80	80	80	85	85
Power Factor	0.73	0.73	0.73	0.93	0.93
Insulation Grade	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21
Net Weight(kg)	5	6	7	12	20
Packing Dimension(mm)	390x230x350	440x260x340	420x235x330	565x335x470	600x360x525

# ARC/MMA IGBT Module Series



## Features

- Heavy duty.
- VRD, arc force, hot start adjustable.
- Suitable for acid electrode, basic electrode and cellulosic electrode.
- Tri-proof air duct design.





Parameter	ARC400D	ARC400I	ARC500I	ARC630I
				
Inverter Technology	IGBT MODULE	IGBT MODULE	IGBT MODULE	IGBT MODULE
Input Voltage(V)	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60
Rated Input Current(A)	27.6	27.6	38.4	53.1
No-load Voltage(V)	68	68	80	72
Output Current Range(A)	320	400	470	590
Rated Output Voltage(V)	36	36	40	44
Duty Cycle(%)	60	100	100	100
No-load Loss(W)	80	100	150	200
Efficiency(%)	85	85	85	85
Power Factor	0.93	0.93	0.93	0.93
Insulation Grade	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight(kg)	22	29	39	44
Packing Dimension(mm)	565x335x470	675x385x630	785x385x720	785x385x720

# Single TIG Series



## Features

- Small, portable, energy-saving, no noise
- HF arc starting, reliable performance
- Sufficient and stable welding current
- Wide range of working voltage
- Outstanding adaptability to power waving





Parameter	TIG160S	TIG200S	TIG250S	TIG300S
				
Inverter Technology	MOSFET	MOSFET	MOSFET	MOSFET
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60
Rated Input Current(A)	20.4	28	40	12.7
No-load Voltage(V)	40	41	46	54
Output Current Range(A)	10-160	10-200	10-250	10-300
Rated Output Voltage(V)	16.4	18	20	22
Duty Cycle(%)	60	60	60	60
No-load Loss(W)	40	40	60	60
Arcing Way	HF	HF	HF	HF
Efficiency(%)	80	80	80	85
Power Factor	0.73	0.73	0.73	0.93
Insulation Grade	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight(kg)	7.5	8	8	15.5
Packing Dimension(mm)	440x260x340	440x260x340	440x260x340	580x315x415

# TIG/MMA Series



## Features

- TIG/MMA welding, economic and practical
- High frequency arc striking, strong welding permeability
- Easy for arc striking
- Widely use in various metals such as stainless steel, alloy steel, copper, mild steel and other metals




Parameter	TIG200A	TIG300A	TIG400A	TIG400IJ (TIG500IJ)
				
Inverter Technology	MOSFET	MOSFET	MOSFET	IGBT MODULE
Input Voltage(V)	AC220V±15 %	AC380V±15 %	AC380V±15 %	AC380V±15 %
Frequency(HZ)	50/60	50/60	50/60	50/60
Rated Input Current(A)	43.6/28	18.4/12.7	27.6/20	27.6/20
No-load Voltage(V)	56	54	68	70
Output Current Range(A)	10-200	10-300	10-400	10-400
Rated Output Voltage(V)	28/18	32/22	36/26	36/26
Arc Force Current Range(A)		0-100	0-100	0-100
Duty Cycle(%)	60	60	60	100
No-load Loss(W)	40	60	100	100
Arcing Way	Transfer	Transfer	Transfer	Transfer
Efficiency(%)	80	85	85	85
Power Factor	0.73	0.93	0.93	0.93
Insulation Grade	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight(kg)	8	16	25.5	29.5
Packing Dimension(mm)	440x260x340	580x315x415	590x450x430	675x385x630

# Pulse TIG Series



## Features

- Energy-Saving, Efficient, Long Working Life
- Multiple Protection Functions
- ARC Output Smoothly
- Voltage Anti-Fluctuations







Parameter	TIG200P	TIG200M	TIG300P	TIG400P LJ
				
Inverter Technology	MOSFET	MOSFET	MOSFET	IGBT MODULE
Input Voltage(V)	AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60
Rated Input Current(A)	43.6/28	43.6/28	18.4/12.7	27.6/20
No-load Voltage(V)	56	56	54	70
Output Current Range(A)	10-200	10-200	10-300	10-400
Rated Output Voltage(V)	28/18	28/18	32/22	36/26
No-load Loss(W)	40	40	60	100
Vale Value Current(%)		10-90	10-90	10-90
Post-flow(S)	1-10	1-10	1-10	1-10
Duty Cycle(%)	60	60	60	100
Arcing Way	HF	HF	HF	HF
Efficiency(%)	80	80	85	85
Power Factor	0.73	0.73	0.93	0.93
Insulation Grade	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight(kg)	8	11	17	31
Packing Dimension(mm)	440x260x340	530x310x415	580x315x415	675x385x630

# TIG AC/DC Series



## Features

- Energy-Saving, Efficient, Long Working Life
- Multiple Protection Functions
- ARC Output Smoothly
- Voltage Anti-Fluctuations








Parameter	TIG200 AC/DC	TIG250 AC/DC	TIG250P AC/DC	TIG315P AC/DC	TIG400P AC/DC	TIG500P AC/DC
						
Inverter Technology	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	32.5	43.5	32.5	13.6	13.6	18.6
No-load Voltage(V)	44	44	44	51	51	51
Output Current Range(A)	10-200	10-250	10-200	5-315	10-400	10-500
Rated Output Voltage(V)	18	20	18	22.6	22.6	28.6
Pre-flow(S)	0-2	0-2				
Vale Value Current(%)	20-80	20-80	20-80	20-80	20-80	20-80
Down-slope(S)	0-5	0-5	0-10	2-10	0-10	0-10
Post-flow(S)	2-10	2-10	1-10		1-10	43840
Remote Control	NO	YES	YES	YES	YES	YES
Duty Cycle(%)	60	60	60	60	60	60
Arcing Way	Transfer	Transfer	Transfer	Transfer	Transfer	Transfer
Efficiency(%)	80	80	80	85	85	85
Power Factor	0.73	0.73	0.73	0.93	0.93	0.93
Insulation Grade	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21
Net Weight(kg)	19	20.5	20	35	37.5	58.5
Packing Dimension(mm)	605x445x425	605x445x425	605x445x425	665x475x580	725x480x670	865x480x840

# MIG MOS Series



## Features

- Long Life & Well Designed
- Reliable & Stable
- High Range of Output
- Light Weight & Less Maintenance, Easy to Use






Parameter	MIG170	MIG175	MIG200S	MIG250S	MIG300Y	MIG250FS	MIG300F
							
Inverter Technology	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC220V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	32.9/32.2	32.9/32.2	37.4	51.5	16.7	51.5	16.7
Output Current Range(A)	40-160/40-170	40-160/40-175	50-200	50-250	50-300	50-250	50-300
Rated Output Voltage(V)	16-26.4/16-23	16-26.4/16-23	16.5-24	16.5-26.5	16.5-29	16.5-26.5	16.5-29
Duty Cycle(%)	60	60	60	60	60	60	60
Power Factor	0.73	0.73	0.73	0.73	0.93	0.73	0.93
Efficiency(%)	80	80	80	80	85	80	85
Type of Wire Feeder	Built-in	Built-in	Built-in	Built-in	Built-in	Separated	Separated
Wire-feeding Speed(m/min)	2-15	43876	2.5-18	2.5-18	2.5-24	2.5-18	2.5-18
Insulation Grade	F	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21	IP21
Plate Thickness(mm)	0.8+	0.8+	0.8+	0.8+	0.8+	0.8+	0.8+
Net Weight(kg)	15	15	33	33	33	16.5	16
Packing Dimension(mm)	570x360x535	570x360x535	745x410x710	745x410x710	745x410x710	580x315x415	580x315x415

# MIG IGBT Integrated Series



## Features

- Compact design, easy maintenance
- Complete production function, automatic welding
- Complete protection against lack of phase, overload of voltage and current, voltage shortage and excessive temperature, etc.


Parameter	MIG175GD	MIG200GS	MIG250GS	MIG250G	MIG300G
					
Inverter Technology	IGBT	IGBT	IGBT	IGBT	IGBT
Input Voltage(V)	AC220V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	32.9/32.2	37.4	51.5	12.7	16.7
Output Current Range(A)	40-160/40-175	50-200	50-250	50-250	50-300
Rated Output Voltage(V)	16-26.4/16-23	16.5-24	16.5-26.5	16.5-26.5	16.5-29
Duty Cycle(%)	60	60	60	60	60
Power Factor	0.73	0.73	0.73	0.93	0.93
Efficiency(%)	80	80	80	85	85
Type of Wire Feeder	Built-in	Built-in	Built-in	Built-in	Built-in
Wire-feeding Speed(m/min)	2-15	2.5-18	2.5-18	2.5-24	2.5-24
Insulation Grade	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21
Plate Thickness(mm)	0.8+	0.8+	0.8+	0.8+	0.8+
Net Weight(kg)	15	20	20	33.5	33.5
Packing Dimension(mm)	570x360x535	570x365x705	570x365x705	675x385x655	675x385x655

# MIG IGBT Separated Series



## Features

- Compact design, easy maintenance
- Complete production function, automatic welding
- Complete protection against lake of phase, overload of voltage and current, voltage shortage and excessive temperature, etc.




Parameter	MIG250GF	MIG300GF	MIG350G	MIG380GF	MIG500G
					
Inverter Technology	IGBT	IGBT	IGBT	IGBT	IGBT
Input Voltage(V)	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	12.6	16.8	21.1	24	21.1
Output Current Range(A)	50-250	50-300	50-350	50-380	50-500
Rated Output Voltage(V)	26.5	29	16.5-31.5	33	16.5-31.5
Duty Cycle(%)	60	60	60	60	60
Power Factor	0.93	0.93	0.93	0.93	0.93
Efficiency(%)	85	85	85	85	85
Type of Wire Feeder	Separated	Separated	Separated	Separated	Separated
Wire-feeding Speed(m/min)	3-18	3-18	3-15	3-18	3-15
Insulation Grade	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21
Plate Thickness(mm)	0.8+	0.8+	0.8+	0.8+	0.8+
Net Weight(kg)	23	23	29.5	30	31.5
Packing Dimension(mm)	540x300x405	540x300x405	600x360x525	540x300x405	600x360x525

# MIG IGBT Module Series



## Features

- Advanced IGBT Module Technology, Tri-proof Air Tube Design, High Duty Cycle
- Simple and Easy, with Dual Welding Process MIG and MMA (Stick)
- Inductance Control for ARC Stability and Spatter Control
- Over-Loading and Over-Heating Protection







Parameter	MIG350IJ	MIG500I	MIG630I
			
Inverter Technology	IGBT MODULE	IGBT MODULE	IGBT MODULE
Input Voltage(V)	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60
Rated Input Current(A)	21.1	37.5	55
Output Current Range(A)	40-350	50-500	100-630
Rated Output Voltage(V)	16.5-31.5	16.5-50	16.5-50
Duty Cycle(%)	100	100	100
Power Factor	0.93	0.93	0.93
Efficiency(%)	85	85	85
Type of Wire Feeder	Separated	Separated	Separated
Wire-feeding Speed(m/min)	3-15	3-15	3-15
Insulation Grade	1.0/1.2	1.0/1.2/1.6	1.0/1.2/1.6
Housing Protection Grade	F	F	F
Plate Thickness(mm)	IP21	IP21	IP21
Output Cable(m <sup>2</sup> )	35+	50+	70+
Net Weight(kg)	34.5	46	48.5
Packing Dimension(mm)	675x385x630	785x385x720	785x385x720

# CUT Series



## Features

- Low consumption and high output
- Easy to operate, digital control program improves the reliability
- smooth cutting performance
- Over-current, over-voltage and over-heat protection



Parameter	CUT40	CUT60	CUT60G	CUT80G	CUT100I	CUT160
						
Inverter Technology	MOSFET	MOSFET	IGBT	IGBT	IGBT MODULE	IGBT MODULE
Input Voltage(V)	AC220V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%	AC380V±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	30	12	14	18	23.1	44.3
No-load Voltage(V)	230	295	295	268	268	320
Output Current Range(A)	20-40	20-60	20-60	20-80	20-100	20-160
Rated Output Voltage(V)	96	104	104	112	120	144
Duty Cycle(%)	60	60	60	60	100	100
No-load Loss(W)	40	60	60	60	80	100
Power Factor	0.73	0.93	0.93	0.93	0.93	0.93
Efficiency(%)	80	85	85	85	85	85
Insulation Grade	F	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21	IP21
Arcing Way	Contact	Contact	Transfer	Transfer	Transfer	Transfer
Recommended Air Pressure	4-5	4-5	4-5	4.5-5.5	4.5-5.5	4.5-5.5
Cutting Thickness(mm)	1-12	1-15	1-20	1-25	1-40	1-60
Net Weight(kg)	8.5	16.5	18	25	35	59.5
Packing Dimension(mm)	440x260x340	580x315x415	540x300x405	600x360x525	665x390x560	765x460x675

# CT (TIG/MMA/CUT) Series



## Features

- TIG, MMA and Cut Functions
- Over-Voltage Protection, Under Voltage Protection, Over Current Protection, Over-Load Protection
- Automatic Compensation for Voltage Fluctuation
- Small Splashing, Great Penetration, Easy and Simple to Operate

Parameter	CT312			CT416		
						
Inverter Technology	MOSFET			MOSFET		
Input Voltage(V)	AC220V±15%			AC220V±15%		
Frequency(HZ)	50/60			50/60		
Input Power(KVA)	4			4		
No-load Loss(W)	40			40		
Duty Cycle(%)	60			60		
Power Factor	0.73			0.73		
Efficiency(%)	80			80		
Insulation Grade	F			F		
Housing Protection Grade	IP21			IP21		
Net Weight(kg)	8.5			12		
Packing Dimension(mm)	490x260x340			530x310x415		
	TIG	MMA	CUT	TIG	MMA	CUT
Rated Input Current(A)	13.8	23.2	14	26.4	34	31
Output Current Range(A)	10-120	30-120	15-30	10-160	30-160	20-40
No-load Voltage(V)	55	55	220	62	62	260
Rated Output Voltage(V)	15	25	92	16	26	96
Air Pressure(mPa)			0.4			0.4
Air Flow(L/min)	2-5		80	2-5		80
Max Cutting Thickness(mm)			10			12
Arcing Way	HF	Contact	HF	HF	Contact	HF



Features

- Strong metal chassis, power grid adaptability, suitable for harsh working environment
- Easy to operate, easy to adjust, with control function display
- Using constant current charging circuit, charging speed, energy saving




Parameter	SW1600	SW2500
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Welding Scope	M3-M8	M3-M10
Welding Material	Carbon Steel,Stainless Steel,Low-alloy Steel	Carbon Steel,Stainless Steel,Low-alloy Steel
Welding Speed	10-20 pcs/min,depend on bolt diameter	10-20 pcs/min,depend on bolt diameter
Welding Time(ms)	1-3	1-3
Capacitor Capacity(uF)	66000	99000
Welding Energy	1600W	2500W
Power Supply	AC220V±15% 50/60Hz 10A	AC220V±15% 50/60Hz 10A
Charging Voltage	Stepless Regulation 10-200V	Stepless Regulation 10-200V
Power Mode	Capacitor Energy Storage	Capacitor Energy Storage
Housing Protection Grade	IP21	IP21
Net Weight(kg)	13.5	15.5
Packing Dimension(mm)	435x245x555	435x245x555

# Submerge ARC Welding Series



















## Features







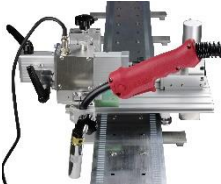







- Both arc current and drive current can be adjusted continuously
- Automatic compensation for voltage fluctuation
- Advanced control technology
- Suitable for carbon steel, stainless steel, heat-resisting steel and alloy metal welding

Parameter	MZ630	MZ1000	MZ1250
			
Inverter Technology	IGBT MODULE	IGBT MODULE	IGBT MODULE
Input Voltage(V)	AC380V±15 %	AC380V±15 %	AC380V±15 %
Frequency(HZ)	50/60	50/60	50/60
Rated Input Current(A)	53.1	84.3	105
No-load Voltage(V)	72	72	80
Output Current Range(A)	50-630	100-1000	100-1250
Rated Output Voltage(V)	44	44	44
Arc Force Current Range(A)	0-100	0-100	0-100
Duty Cycle(%)	100	100	100
No-load Loss(W)	300	300	300
Efficiency(%)	85	85	85
Power Factor	0.93	0.93	0.93
Insulation Grade	F	F	F
Housing Protection Grade	IP21	IP21	IP21
Net Weight(kg)	54	85.5	85.5
Packing Dimension(mm)	780x435x760	800x455x785	800x455x785

# Welding Accessories

ARC Accessories			TIG Accessories		
					
Electrode Holder	Earth Clamp	WP-17 TIG Torch	WP-26 TIG Torch	WP-18 Water Cooling TIG Torch	Argon Regulator
MIG Accessories					
					
MIG15 MIG Torch	MIG24 MIG Torch	QTB-350A MIG Torch	QTB-500A MIG Torch	CO <sub>2</sub> Regulator	
Cutting Accessories					
					
PT-31 Air Plasma Cutting Torch	PT80 Air Plasma Cutting Torch	A141 Air Plasma Cutting Torch	Air Regulator	Cutting Goggle	

# Welding Accessories

Stud Accessories					
					
Stud Torch	Stud Earth Clamp	Stud Collect			
Welding Carriage					
					
Power Box	JR-28 Control Box	JR-8SS Welding Carriage	JR-33 All Position Welding Carriage	Rail	
General Accessories					
					
Welding Mask	Welding Glove	Slag Remover	Gas Hose	Hose Clamp	Water Cooling System