

JASIC TECHNOLOGIES

Integrated Welding Solutions

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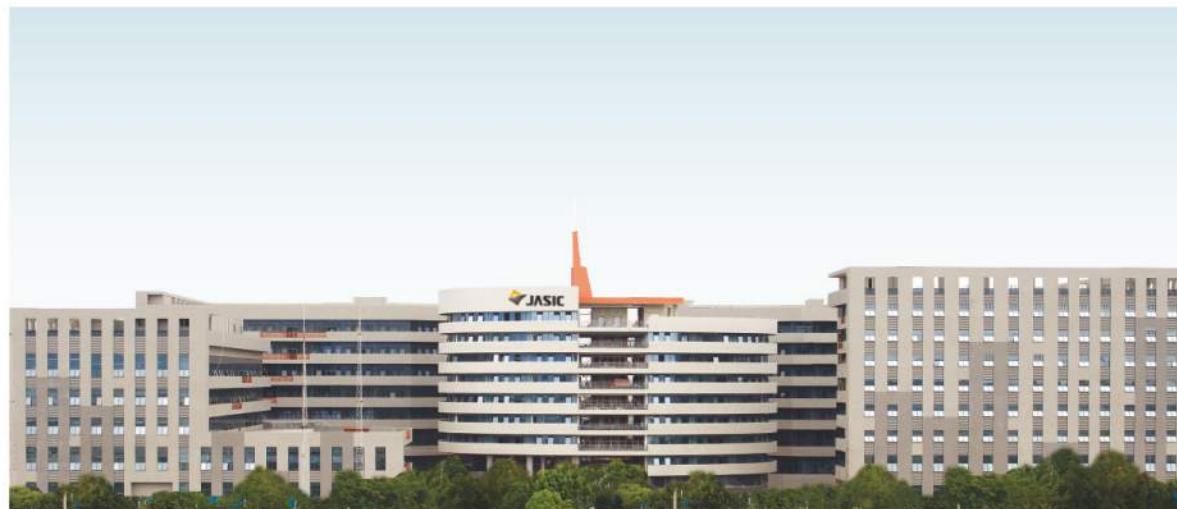
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COMPANY PROFILE



SHENZHEN JASIC TECHNOLOGY CO.,LTD

JASIC is an international developer, manufacturer and supplier of welding inverters and integrated welding solutions representing the best of welding industry known for its reliability & innovation. We are represented in over 60 countries through a sales network that has worldwide reputation for providing the best quality and exceptional service. In March 2011, JASIC was successfully listed on the Shenzhen Stock Exchange and now has ambitions to become the top 5 in welding industry in 5 years globally. JASIC is as steady and dependable a partner that you could find to grow your business with. We look forward to working with you soon!

JASIC has a certified ISO9001 quality management system. Our products accord with CE, ROHS, C-TICK, CSA and CCC standard. Our products cover the following categories: MMA welders, digital/analog TIG/ pulse TIG welders, digital/analog pulse AC/DC square-wave arc welders, MIG/MAG welders, digital pulse MIG welders, submerged arc welders and various engine-driven arc welders, automatic welding and cutting equipment. All of our products have completely independent intellectual property rights.

At JASIC, we believe in investing towards the future, so annually we introduce state-of-the-art innovations that satisfy the needs of the marketplace. If you are looking for the best return on your investment with a company that will endeavor to exceed your expectations, contact us today!

YUNDA CHONGQING YUNDA TECHNOLOGY CO.,LTD



Chongqing YUNDA's business scope includes but is not limited to R&D, manufacturing, sales and maintenance of electrical equipments and engine driven welders(EDW). Our engine driven welders are number 1 in the domestic market share. Our Engine driven welders are used on international infrastructure projects and mainly used in oil and gas pipeline welding, construction steel structure welding, transmission line construction, railway track repair-welding where power supply

unavailable. Yunda EDWs were utilized in the construction of the High Speed Railway, Western-China Oil Pipelines and also in the construction of the buildings for Beijing Olympics and Shanghai Expo.

CHENGDU JASIC TECHNOLOGY CO.,LTD



JASIC Chengdu's business scope is composed of, but not only of, complete sets of automatic welding/cutting systems and welding auxiliary equipment, welding positioners, manipulators, turning rolls, CNC plasma cutting systems, resistance welding and robot welding (cutting) systems.

JASIC has cooperated with SANY Group, ZOOMLION Group, NHI Group, BAW Company, CNR Group, CSR Group, and Shanghai Electric to

name a few. Chengdu JASIC's products are widely used in vehicle manufacturing, machinery manufacturing, shipbuilding, bridge construction, infrastructure, military applications, pressure vessels, coal mine machinery and the petrochemical industry. We have received countless praises from our clients and the market. All products have completely independent intellectual property rights.

APPLICATION



Power Supply



Railway



Chemical Engineering



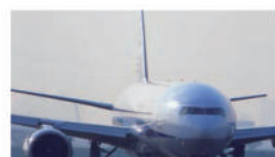
Steelwork



Petroleum



Vacuum Plating



Aviation Industry



Pressure Vessel



Mining



House Use



Shipbuilding



Boiler



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MMA(IGBT) INVERTER WELDER

• Features

- Integral type 1-PCB inside structure, easy for testing and maintenance
- IGBT inverter technology
- About 40KHz inverter frequency, high-efficiency
- Compact size, lightweight & smart appearance
- Easy arc-starting, minimal spatter, stable current, and good shaping
- Stable and reliable multi-functional MMA inverter
- Auto-compensation for voltage fluctuation and less harmonics for power grid

• Accessories



Standard:

- 2PCS KDP-16A

Optional:

- Package1: 300A Earth clamp and 3m 16mm²/25mm² earth clamp
- Package1: 200A/300A Holder clamp and 16mm²/25mm² cable
- Custom designed luxury case

• Specifications

Standard:

- MMA/ Stick
- Anti-stick
- Arc force
- Hot Start
- Lift arc
- O.H. Lamp

Optional:

- PFC machine available (ARC160/180/200)
- 110/230V dual voltage (ARC140/160/180)



PRO Series

Model/Item	ARC140(Z210)	ARC160(Z211)	ARC180(Z208)	ARC200(Z209)
Rated Input Voltage (V)	AC230V ±15% 50/60Hz			
Rated Input Power (KVA)	6	7.1	8	9.4
Rated Input Current (A)	26.2	31	35	40.9
Rated Output	140A/25.6V	160A/26.4V	180A/27.2V	200A/28V
Output Current Range (A)	10~140A	10~160A	10~180A	10~200A
No-load Voltage (V)	63	63	63	63
Duty Cycle I _{max}	30% / 40°C	35% / 40°C	35% / 40°C	30% / 40°C
Efficiency (%)	85	85	85	85
Power Factor	0.70	0.70	0.70	0.70
Protection Class	IP21	IP21	IP21	IP21
Insulation Class	F	F	F	F
Size (mm) Without Handle	313x130x206	313x130x206	313x130x206	351x130x206
Size (mm) With Handle	313x130x250	313x130x250	313x130x250	351x130x250
Weight (Kg)	4.7	4.7	4.7	5.2



MMA(IGBT) INVERTER WELDER

• Features

- Integral type 1-PCB inside structure, easy for testing and maintenance
- IGBT inverter technology
- About 40KHz inverter frequency, high-efficiency
- Compact size, lightweight & smart appearance
- Easy arc-starting, minimal spatter, stable current, and good shaping
- Stable and reliable multi-functional MMA inverter
- Auto-compensation for voltage fluctuation and less harmonics for power grid

• Accessories



Standard:

- 2pcs KDP-16A

Optional:

- Package1: 300A Earth clamp and 3m 16mm²/25mm² earth clamp
- Package1: 200A/300A Holder clamp and 16mm²/25mm² cable
- Custom designed luxury case

• Specifications

Standard:

- MMA/ Stick
- Anti-stick
- Arc force
- Hot Start
- Lift arc
- O.H. Lamp



EASY Series

Model/Item	ARC160(Z213)	ARC180(Z214)	ARC200(Z215)
Rated Input Voltage (V)	AC230V ±15% 50/60Hz		
Rated Input Power (KVA)	7.11	8	9.4
Rated Input Current (A)	31	35.8	40.9
Rated Output	160A/26.4V	180A/27.2V	200A/28V
Output Current Range (A)	10~160A	10~180A	10~200A
No-load Voltage (V)	63	63	63
Duty Cycle I _{max}	15% / 40°C	15% / 40°C	15% / 40°C
Efficiency (%)	85	85	85
Power Factor	0.70	0.70	0.70
Protection Class	IP21	IP21	IP21
Insulation Class	F	F	F
Size (mm) Without Handle	313x130x206	313x130x206	351x130x206
Size (mm) With Handle	313x130x250	313x130x250	351x130x250
Weight (Kg)	4.7	4.7	4.7



MMA(IGBT) INVERTER WELDER

• Features

- IGBT inverter technology
- About 40KHz inverter frequency, high-efficiency
- Compact size, lightweight & power saving
- Easy arc-starting, minimal spatter, stable current & good shaping
- Auto-compensation for voltage fluctuation
- Compatible with some generators

• Accessories



Standard:

- 2pcs KDP-16A

Optional:

- MMA Set 1:300A Earth clamp and 3m 25mm² Earth wire
- MMA Package 2:200A Electrode clamp and 3m 16mm² Earth wire
- Custom-designed luxury case

• Specifications

Standard:

- MMA/ Stick Current knob
- O.H. indicator

Optional:

- Steel casing
- AC 115V input ARC120 (Z275)



ARC120 (Z267)

Standard:

- MMA/ Stick Current knob
- Built-in ARC force
- Built-in hot start
- Life-arc/ TIG Anti-stick
- O.H. indicator

Optional:

- Steel casing
- Built-in V.R.D
- V.R.D switch (for steel housing machine)
- ABS face and rear selectable



ARC140 (Z269)

Standard:

- MMA/ Stick Current knob
- Built-in ARC force
- Built-in hot start
- Life-arc/ TIG Anti-stick
- O.H. indicator

Optional:

- 1PCB ARC 160(IGBT) machine
- Steel casing machine
- Built-in V.R.D
- V.R.D switch for steel housing machine



ARC160 (Z265)

Model/Item	ARC120 (Z267)	ARC140 (Z269)	ARC160 (Z265)
Rated Input Voltage (V)	AC 230 ± 15% (single phase), 50/60Hz		
Rated input Power (KVA)	5.0	6.0	7.0
Input current(A)	21.7	27	30.9
Rated Output	120A/ 24.8V	140A/ 25.6V	160A/ 26.4V
Welding Current Adjustment(A)	10~ 120	10~ 140	10~ 160
No-load Voltage(V)	67	67	67
Duty cycle I _{max} (40℃)	40%	40%	40%
Duty cycle 100% (40℃)	76A	88A	101A
Duty cycle 60%(40℃)	98A	114A	131A
Efficiency (%)	85	85	85
Power Factory	0.7	0.7	0.7
Protection Class	IP21	IP21	IP21
Insulation Class	F	F	F
Electrode Diameter(mm)	1.6~3.2	1.6~3.2	1.6~4.0
Size(mm)	290x120x198	312x143x256	313x120x198
Weight(kg)	3.0	4.8	5.2



MMA(IGBT) INVERTER WELDER

• Features

- IGBT inverter technology
- Compact size & lightweight
- High quality and power saving design
- Hot start function
- Automatic voltage reduction coupled with an anti-stick function

• Accessories



Standard:

- 2pcs KDP-50A

Optional:

- MMA Package 3:300A Earth clamp and 3m 16/25mm² Earth wire
- MMA Package 4:200A / 300A Electrode clamp and 3m 16/ 25mm² welding clamp
- Custom-designed luxury case (ARC180)

• Specifications

Standard:

- MMA/ Stick Current knob
- Built-in ARC force
- Hot start
- Life-arc/ TIG Anti-stick
- O.H. indicator

Optional:

- 1PCB ARC 180(IGBT) machine
- Steel casing machine
- Built-in V.R.D
- V.R.D switch for steel housing machine



ARC180 (Z296)

Standard:

- MMA/ Stick Current knob
- Built-in ARC force
- Hot start
- Life-arc/ TIG Anti-stick
- O.H. indicator
- Digital display

Optional:

- ABS face and rear machine ARC200(Z203)
- add lift-arc/ Tig function
- add digital display meter
- add VRD switch
- 1 PCB ARC200(IGBT) machine



ARC200 (Z276)

Model/Item	ARC180 (Z296)	ARC200 (Z276)
Rated input voltage (V)	AC 230 ± 15% (single phase), 50/60Hz	
Rated input power (KVA)	8.2	9.4
Rated input current (A)	36	40.9
Welding current range (A)	10~ 180	10~ 200
No-load voltage (V)	76	70
Duty cycle I _{max} (40℃)	30%	40%
Duty cycle 100% (40℃)	100A	126A
Duty cycle 60% (40℃)	130A	163A
Efficiency (%)	85	85
Power factor	0.7	0.7
Protection class	IP21S	IP21
Insulation class	F	F
Electrode Diameter(mm)	1.6~4.0	1.6~5.0
Size (mm)	336 × 120 × 198	430x168x312
Weight (Kg)	5.8	8.9



MMA(IGBT) INVERTER WELDER

• Features

- Advanced IGBT inverter technology applicable to many welding operations
- Easy arc starting, minimal spatter, stable current & great shaping
- Our Selfadaptive arc force technology greatly enhances the performance of the inverter for long-cable welding
- The arc ignition performance of the inverter is improved by our built-in hot start arc ignition
- This inverter can be widely used in night and basic electrode welding

• Accessories



Standard:

- 2pcs KDP-50A For ARC220/250
- 2pcs KDP-70A For ARC350

Optional:

- MMA Package3:300A Earth clamp and 3m 25mm² Cable For ARC220/250
- MMA Package4:300A Electrode clamp and 3m 25mm² Cable For ARC220/250
- MMA Package5:500A Earth clamp and 3m 35mm² Cable For ARC350
- MMA Package6:500A Electrode clamp and 3m 35mm² Cable For ARC350

• Specifications

Standard:

- MMA/Stick
- Current knob
- ARC Force knob
- Hot start
- Lift-arc/TIG
- Anti-stick
- Digital display
- O.C.&O.H. Indicator
- Low-voltage protection

Optional:

- 1 ph ARC220(Z201)
- Hot start knob
- Built-in V.R.D
- V.R.D light/switch



ARC220(Z295)

Standard:

- MMA/Stick
- Current knob
- ARC Force knob
- Hot start
- Lift-arc/TIG
- Anti-stick
- Digital display
- O.C.&O.H. Indicator
- Low-voltage protection

Optional:

- Hot start knob
- Built-in V.R.D
- V.R.D light/switch



ARC250(Z285)

Standard:

- MMA/Stick
- Current knob
- ARC Force knob
- Hot start
- Lift-arc/TIG
- Anti-stick
- Digital display
- O.C.&O.H. Indicator
- Low-voltage protection

Optional:

- Hot start knob
- Built-in V.R.D
- V.R.D light/switch



ARC350(Z299)

Model/Item	ARC220(Z295)	ARC250(Z285)	ARC350(Z299)
Rated input voltage (V)	AC 400 ± 15% (3 phase), 50/60Hz		
Rated input power (KW)	7.2	9.2	14.8
Rated input current (A)	11.7	14.0	22.4
Rated output	220A/28.8V	250A/30V	350A/34V
Welding current range (A)	10~220	10~250	20~350
Arc force current range (A)	0~140	0~140	0~140
No-load voltage (V)	56	65	65
Duty cycle I _{max} (40°C)	40%	40%	40%
Duty cycle 100% (40°C)	140A	158A	286A
Duty cycle 60% (40°C)	180A	204A	221A
Efficiency (%)	88	85	87
Power factor	0.95	0.96	0.95
Protection class	IP21	IP21	IP21
Insulation class	F	F	F
Electrode diameter(mm)	1.6~5.0	1.6~5.0	1.6~6.0
Size (mm)	450 × 160 × 385	450 × 160 × 385	460 × 230 × 410
Weight (kg)	13.5	13.5	19.0



MMA(IGBT) INVERTER WELDER

• Features

- Our advanced control technology reliably guarantees welding seams of good quality
- Various operation modes and excellent design (internal and external) exceeds welding demands
- Widely used in acid, alkaline & electrode welding
- Easy arc starting, stable current, minimal spatter and good shaping
- Adjustable thermal arc starting function enhances the arc starting performance of the inverter
- Our Selfadaptive arc force technology greatly enhances the performance of the inverter for long-cable welding

• Accessories



Standard:

- 2pcs KDP-70A for ARC400(Z245)
- 2pcs Lugs for ARC
- 2pcs KD J35-50, 2pcs JK70-95 for ARC 630(Z321)

Optional:

- MMA Package7:500A Earth clamp and 3m 50mm² Cable
- MMA Package8:500A Electrode clamp and 3m 50mm² Cable

• Specifications

Standard:

- MMA/ Stick
- Current knob
- ARC force knob
- Hot start knob
- Digital display A
- Remote control switch&socket
- Lift arc switch
- O.C./O.H./Power Indicator

Optional:

- Remote control unit
- Electrode welding ARC400(Z245)
- V.R.D function



ARC400 (Z245)

Standard:

- MMA/ Stick
- Current knob
- ARC force knob
- Hot start knob
- Digital display A
- O.C.&O.H indicator

Optional:

- V.R.D
- ABS face and rear machine ARC 400



ARC400 (Z312)

Standard:

- MMA/ Stick
- Current knob
- ARC force knob
- Hot start knob
- Digital display A
- Remote control socket
- O.C.&O.H indicator

Optional:

- Arc Gouging
- Remote control unit



ARC630 (Z321)

Model/Item	ARC400 (Z245)	ARC400 (Z312)	ARC630 (Z321)
Rated input voltage (V)	AC380V±15%(3 phases),50/60Hz		
Rated input current(A)	26.3	28	50.6
Rated output	400A/36V	400A/36V	630A/44V
Welding current (A)	20~400	30~400	50~630
Arc force current (A)	0~240	0~110	0~220
No-load voltage (V)	68	65	80
Arc starting current (A)	0~150	0~110	0~220
Duty cycle I _{max} (40°C)	60%	60%	60%
Duty cycle 100% (40°C)	310A	310A	488A
Efficiency (%)	85	85	85
Power factor	0.93	0.93	0.93
Protection class	IP21S	IP21S	IP21S
Insulation class	F	F	F
Electrode diameter(mm), MMA	2.5~7.0	1.0~5.0	2.5~7.0
Size (mm)	592x297x523	525x260x445	661x340x625
Weight (kg)	25	19	55



MMA(IGBT) INVERTER WELDER

• Features

- Composed of multiple inverters, each inverter output independent from another
- Safe and reliable
- Highly adaptable to voltage demands
- Be suitable for usage in Shipbuilding Plant

• Accessories



Standard:

- 1 pcs / 2 pcs KDP-70A

Optional:

- MMA Package7:500A Earth clamp and 3m 50mm² Cable
- MMA Package8:500A Electrode clamp and 3m 50mm² Cable

• Specifications



Model/Item	ARC400/4T (P059)	ARC400/6T (P060)
Rated input voltage	AC400V ± 15%(3 phases) , 50/60Hz	
Rated input power capacity (KVA)	69	103
Rated input current(A)	110	165
Output current range(A)	25~400	25~400
No-load voltage(V)	65	65
Duty cycle I _{max} (40°C)	60	60
Duty cycle 100% (40°C)	310A	310A
ARC force range(A)	20~200	20~200
Arc starting current adjustment range(A)	50~320	50~320
Efficiency (%)	≥90	≥90
Arc starting time (mS)	70/150/200/300 (optional)	70/150/200/300 (optional)
Protection class	IP23	IP23
Insulation class	F	F
Power factor(cos φ)	0.93	0.93
Electrode Diameter(mm)	2.5~5.0	2.5~5.0
Size(mm)	1050 × 980 × 1700	1400 × 980 × 1700
Weight(kg)	250	370



MMA(V-MOS) INVERTER WELDER

• Features

- 100kHz MOSFET technology
- High quality and power saving design
- Smooth and stable welding performance
- Compact size & lightweight
- Easy arc-starting
- Auto-compensation for voltage fluctuation

• Accessories



Standard:

- 2 pcs KDP 16+25 for(Z103), 2pcs KDP35+50 for (Z104)

Optional:

- MMA Package1:300A Earth clamp and 3m 16mm² Cable
- MMA Package2:200A Electrode clamp and 3m 16mm² Cable
- Custom-designed luxury case

• Specifications

Standard:

- MMA/ Stick current knob
- O.C&O.H alarm
- Power Indicator

Optional:

- ABS casing ARC160II(R49)
- ABS face and rear:ARC160III(Z119)
- Dual voltage 110V/220V
- Anti-stick
- Lift arc/TIG
- V.R.D
- Built-in arc force
- Digital display(Z103,Z119)



Standard:

- MMA/ Stick current knob
- O.C&O.H alarm
- Power Indicator(Z103,Z149)

Optional:

- ABS casing ARC160II(Z149)
- ABS face and rear:ARC160III(Z119)
- Dual voltage 110V/220V
- Anti-stick
- Lift arc/TIG
- V.R.D
- Built-in arc force



Model/Item	ARC160 (Z103)	ARC200 (Z104)
Input power voltage (V)	AC230V(single phases),50/60Hz	
Rated input power capacity (KVA)	6.8	9.4
Input current (A)	29.7A	23.0
No-load voltage (V)	56/9(V.R.D)	70/9(V.R.D)
Output current range (A)	20~155	20~170
Rated output voltage (V)	26.2	26.8
Duty cycle I _{max} (25°C)	60%	60%
Duty cycle 100% (25°C)	120A	132A
Efficiency (%)	85	85
Power factor	0.7	0.7
Insulation class	F	F
Protection class	IP21	IP21
Electrode Diameter(mm)	1.6~4.0	1.6~4.0
Size(mm)	400 × 150 × 260	430x168x312
Weight (kg)	4.8	5



MMA(V-MOS) INVERTER WELDER

• Features

- Compact size & lightweight
- High quality and power saving design
- Smooth and stable welding performance with minimal spatter
- Automatic overvoltage ,overcurrent protection
- MMA machine, Scratch TIG function optional
- Welding current and arc-force current can be adjusted manually
- Easy arc starting, stable current, minimal spatter and good shaping
- Remote control interface

• Accessories



Standard:

- 2pcs KDP-35 for ARC 250
- 2pcs KDP-50 for ARC 315

Optional:

- MMA Package3:300A Earth clamp and 3m 25mm² Cable For ARC250
- MMA Package4:300A Electrode clamp and 3m 25mm² Cable For ARC250
- MMA Package5:500A Earth clamp and 3m 35mm² Cable For ARC315/ARC400
- MMA Package6:500A Electrode clamp and 3m 35mm² Cable For ARC315/ARC400

• Specifications

Standard:

- MMA/Stick
- Current knob
- ARC force knob
- Digital display
- OC&OH alarm

Optional:

- V.R.D
- Anti-stick
- Built-in hot start



Standard:

- MMA/Stick
- Current knob
- ARC force knob
- Digital display
- Remote control interface
- OC&OH alarm

Optional:

- 3ph 220/380/440V ARC315
- 3ph 220V ARC315
- 3ph 440V ARC315
- 1ph 220V ARC315
- Remote control
- V.R.D
- Anti-stick
- Built-in hot start



Standard:

- MMA/Stick
- Current knob
- ARC force knob
- Digital display
- Remote control switch & socket
- OC&OH alarm

Optional:

- V.R.D
- Built-in hot start
- Lift arc switch



NEW

Model/Item	ARC250 (Z106)	ARC315 (Z114)	ARC400 (Z115)
Input voltage(VAC)	AC400V ± 10%(3 phases) , 50/60Hz		AC400V ± 10%(3 phases) , 50/60Hz
Rated input capacity(KVA)	7.5	12.0	15
Rated input current(A)	11A	18	23
Rated output voltage (V)	28.4	32	34
Output current range(A)	20~210	20~300	20~350
Arc force current range(A)	0~70	0~100	0~75
Duty cycle I _{max} (40°C)	60%	60%	35%
Duty cycle 100% (40°C)	162A	240A	207A
No-load voltage (V)	70	70	75
No-load loss (W)	60	80	100
Efficiency (%)	85	85	85
Power factor	0.93	0.93	0.93
Insulation class	F	B	F
Protection class	IP21S	IP23	IP21S
Electrode Diameter (mm)	1.6~4.0	1.6~5.0	2.5~7.0
Size(mm)	480x205x355	565 x 305 x 495	587x359x523
Weight(kg)	17.2	25.4	28



TIG(IGBT) INVERTER WELDER

• Features

- Integral type 1-PCB structure, compact size, light-weighted & smart appearance
- Power saving design
- About 40KHz inverter frequency, high-efficiency
- Arc force, hot start, down-slope, post-flow, and 2T/4T functions available

• Accessories



Standard:

- WP-26K-E TIG Torch, 3m 16mm² Earth Cable+Clamp+KDP-50, 1 pcs KDP-50

• Specifications

Standard:

- HF/ Scratch TIG
- Arc force
- Down slope & post flow
- 2T /4T
- MMA function



Model/Item	TIG180(W206)		TIG200(W207)	
Input Power Voltage (V)	AC230V±15% 50/60Hz			
Rated Power Capacity (KVA)	7.1 (MMA)	5.2 (TIG)	8.2 (MMA)	6 (TIG)
Current Adjustment Range (A)	10~160 (MMA)	10~180 (TIG)	10~180 (MMA)	10~200 (TIG)
Voltage Adjustment Range (V)	20.4~26.4(MMA)	10.4~17.2 (TIG)	20.4~26.4(MMA)	10.4~18 (TIG)
No-load Voltage (V)	60 (MMA)	65 (TIG)	60 (MMA)	65 (TIG)
Down-slop Time (S)	0~10		0~10	
Duty Cycle I _{max} (40°C)	35		35	
Efficiency (%)	85		85	
Power Factor	0.7		0.7	
Protection Class	IP21s		IP21s	
Insulation Class	F		F	
Noises (db)	< 70		< 70	
Size (mm) with Handle	365x135x277		365x135x277	
Weight (kg)	5.94		6.12	



TIG(IGBT) INVERTER WELDER

• Features

- Has Pulse TIG & TIG & MMA functions
- Advanced digital controls
- Welding parameters are easy to be adjusted
- Enhanced welding performance due to our advanced control solution
- Can be used in acid & basic electrode welding
- Easy arc starting, minimal spatter, stable current and good shaping
- Adjustable thermal arc starting function enhances the inverter's arc starting performance

• Accessories



Standard:

- 1 pc of 5m WP-18 water-cooling separated torch with accessories, 1 set of 500 A Earth clamp + 3m*35mm² cable + KDJ35-50 For TIG 400P
- 1 pc of 5m Qq300 integrated TIG torch, 1 set of 500A Earth clamp + 3m 35mm² cable + KDP-70A for TIG 400

Optional:

- TIG Package 3:500A Electrode clamp and 3m 35mm² Cable for TIG 400P
- Pedal control box
- Remote control box
- Remote control box with digital display
- Water cooler 8L for TIG400

• Specifications



- Standard:**
- HF/ Scratch TIG
 - MMA
 - Pulse TIG:refer toright image
 - Digital display
 - Alarm indicator O.C. & O.H.
 - Power indicator
 - Water cooler disruption indicator

TIG400P(W322)



- Standard:**
- HF/ Scratch TIG
 - 2T/4T
 - Current knob
 - Up-slope time knob
 - Down-slope time knob
 - Gas-inspection switch
 - Ending arc current knob
 - MMA
 - ARC force knob
 - Hot start knob
 - Digital display
 - Remote control interface

TIG400(W398)

Model/Item	TIG400P(W322)	TIG400(W398)
Rated input voltage (V)	AC380V±15%(3 phases), 50/ 60Hz	
Input voltage range	400V/ 36V	--
Rated input current (A)	10~400	--
Rated output	10~400	400A/ 36V
Welding current adjustment range (A)	10~400	10~410
Peak current adjustment range (A)	10~200	10~200
Base current adjustment range (A)	66	66
Arc force current adjustment range (A)	0~10	0~10
No load voltage (V)	0~10	0~10
Up-slope current adjustment time(s)	0.2~10	0.2~10
Down-slope current adjustment time(s)	0.2~200	0.2~200
Post-flow time(s)	5~95	5~95
Frequency (Hz)	High frequency&high voltage	
Clean width (%)	60%	60%
TIG arc starting mode	310A	310A
Protection class	IP21S	IP21S
Welding thickness(mm)	0.3~14	0.3~14
Size (mm)	595x297x528	595x297x528
Weight (kg)	30	32



TIG(V-MOS) INVERTER WELDER

• Features

- Single DC TIG function
- High frequency ignition
- Post-flow function
- Superior arc performance
- Light and compact, easy to carry and use
- Economizes tungsten use with a stable output & high duty cycle

• Accessories



Standard:

- 1pc of 4m SR-17 integrated TIG torch, 1 set of 300A Earth clamp+3m 10mm² Cable+ KDP-16A, 1 pc 1.6*150mm tungsten electrode For TIG160S
- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-16A, 1 pc 1.6*150mm tungsten electrode For TIG200S

Optional:

- Custom-designed luxury case

• Specifications



- Standard:**
- HF/Scratch TIG
 - Current knob
 - Postflow time switch(W116,W107)
 - Postflow time knob(W178)
 - O.C. LED light(O.C & O.H alarm)
 - Digital display
- Optional:**
- ABS casing: TIG 160SII(W178)
 - ABS face and rear: TIG160SIII(W107)
 - 110V/220V dual-voltage
 - 2T/4T function

TIG160S(W116)



- Standard:**
- HF/Scratch TIG
 - Current knob
 - Postflow time knob
 - O.C. LED light(O.C & O.H alarm)
 - Digital display
- Optional:**
- ABS casing: TIG200SII(W179)
 - ABS face and rear: TIG200SIII(W113)
 - 110V/220V dual-voltage
 - 2T/4T function TIG200S(W120)

TIG200S(W120)

Model/Item	TIG160S(W116)	TIG200S(W120)
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	
Rated input current (A)	20	20
No-load voltage (V)	42	42
Output current range (A)	10~160	10~160A
Rated voltage (V)	16.4	16.4
Post-flow time (s)	0~10	0~10
Duty cycle I _{max} (40°C)	45%	45%
Duty cycle 100% (40°C)	107A	107A
No-load loss (W)	35	35
Arc-starting	HF	HF
Efficiency (%)	85	85
Power factor	0.7	0.7
Insulation class	B	F
Protection class	IP23	IP21
Welding thickness (mm)	0.3~5	0.3~5
Weight (kg)	7.8	8.2
Size (mm)	376 × 172 × 304	430x168x312



TIG(V-MOS) INVERTER WELDER

• Features

- Has both TIG/MMA functions
- High frequency ignition
- Compact size & lightweight
- Energy saving technology
- 2T/4T function available upon request
- Dual voltage available upon request

• Accessories



Standard:

- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+KDP-16A, 1PC KDP-16A, 1 pc 1.6*150mm tungsten electrode

Optional:

- TIG Package1:200A Electrode clamp and 3m 16mm² Cable
- Argon gas regulator
- Custom-designed luxury case

• Specifications

Standard:

- HF/Scratch TIG Current knob
- TIG180A Postflow knob 0~10s
- MMA
- O.C LED light(O.C&O.H alarm)
- Power indicator
- Digital display

Optional:

- ABS face and rear:TIG180A
- 2T/4T function
- 110V/220V double voltage



TIG180 A(W118)

Standard:

- HF/Scratch TIG Current knob
- Postflow knob 0~10s
- Digital display
- MMA
- O.C&O.H alarm
- Power indicator

Optional:

- ABS casing:TIG200AII(W154)
- 2T/4T function
- 110V/220V dual-voltage
- ABS face and rear:W114,W104



TIG200 (W126)

Model/Item	AC230 ± 15% (single phase) , 50/60Hz	
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	
Rated input current (A)	34.8	34.8
No-load voltage (V)	56	56
Output current range (A)	10~180	10~180
Rated voltage (V)	17.2	17.2
Post-flow time (s)	0~10	0~10
Duty cycle I _{max} (40°C)	60%	60%
Duty cycle 100% (40°C)	139	139
No-load loss (W)	40	40
Arc-starting	HF	HF
Efficiency(%)	85	85
Power factor	0.7	0.7
Insulation class	F	F
Protection class	IP21	IP21
Welding thickness(mm)	0.3~6	0.3~6
Weight (kg)	8.5	8.5
Size(mm)	430x168x312	430x168x312



TIG(V-MOS) INVERTER WELDER

• Features

- Has both Pulse TIG & MMA functions
- Adjustable pulse control for DC TIG welding
- Compact size & lightweight
- Energy saving technology
- High frequency ignition

• Accessories



Standard:

- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+KDP-16A, 1PC KDP-16A, 1 pc 1.6*150mm tungsten electrode

Optional:

- TIG Package1:200A Electrode clamp and 3m 16mm² Cable
- Argon gas regulator
- Custom-designed luxury case

Specifications

Standard:

- HF/Scratch TIG Current knob
- Postflow 0~10s(W119:2.5S)
- Downslope knob 0~5s
- Pulse frequency switch
- MMA
- O.C Indicator (O.C & O.H ALARM)
- Power Indicator
- Digital display

Optional:

- ABS face and rear: TIG180A
- 2T / 4T function
- 110V / 220V double voltage



TIG180P (W119)

Standard:

- HF/Scratch TIG
- Digital display
- Postflow knob

Optional:

- 110V / 220V dual-voltage



TIG250S (W127)

Model/Item	AC230V ± 15%(single phases) , 50/60Hz	
Input voltage (V)	AC230V ± 15%(single phases) , 50/60Hz	
Rated input current (A)	17	27.5
No-load voltage (V)	55	42
Output current range (A)	10~200	10~200
Rated output	TIG:200A/18V MMA:160A/26.4	200A/18V
Post-flow time (s)	0~10	0~10
Downslope time (s)	0~5	--
Pulse frequency(Hz)	MH 250 LH 2.5	--
Base down current (A)	10~200	--
Duty cycle I _{max} (40°C)	60%	35%
Duty cycle 100% (40°C)	155A	118A
No-load loss (W)	40	40
Arc-starting	HF	HF
Efficiency(%)	85	85
Power factor	0.7	0.7
Insulation class	F	F
Protection class	IP21	IP21
Welding thickness(mm)	0.3~8	0.3~8
Weight (kg)	7.8	8.5
Size(mm)	376x172x304	430x168x312



TIG(V-MOS) INVERTER WELDER

• Features

- Both TIG/MMA function available (excluding TIG300S)
- High output power
- Compact size & lightweight
- Energy saving & high quality design
- Auto-compensation for voltage fluctuation
- Digital meter display

• Accessories



Standard:

- 1pc of 5m QQ300 integrated TIG torch, 1 set of 300A Earth clamp+3m*25mm² Cable+KDP-70A 1pc KDP-70A, 1pc 2.4*150mm tungsten electrode for TIG250
- 1pc 5m QQ300 integrated TIG torch, 1 set of 300A Earth clamp+3m*25mm² Cable+KDP-70A 1pc 2.4*150mm tungsten electrode for TIG300S

Optional:

- TIG Package 2:300A Electrode clamp and 3m 25mm² Cable TIG250/ 300

• Specifications

Standard:

- HF/ Scratch TIG Current knob Downslope time knob Postflow knob
- MMA ARC force knob
- Digital display
- O.C. indicator
- Built-in O.H protection

Optional:

- 2T/ 4T function



Standard:

- HF/ Scratch TIG Current knob Downslope time knob
- Digital display
- O.C. indicator
- Built-in O.H protection

Optional:

- 2T/ 4T function



Model/Item	TIG250 (W122)	TIG300S(W123)
Input voltage (V)	AC400V ± 15%(3 phases), 50/60Hz	
Rated input current (A)	11.5	12.7
No-load voltage (V)	56	45
Output current (A)	20~210	20~300
Rated voltage (V)	22	22
Post-flow time (s)	0~10	5
Duty cycle I _{max} (40°C)	60%	30%
Duty cycle 100% (40°C)	162A	164A
No-load loss(W)	40	40
Arc-starting	HF	HF
Efficiency(%)	85	85
Power factor	0.93	0.93
Insulation class	F	F
Welding thickness(mm)	0.3~8	0.3~10
Protection class	IP21	IP21
Weight(kg)	17.6	17.3
Size(mm)	502x217x381	502x217x381



TIG(V-MOS) INVERTER WELDER

• Features

- TIG & MMA functions
- High output power
- Compact size and light-weighted
- Energy saving & high quality design
- Auto-compensation for voltage fluctuation
- Digital meter display

• Accessories



Standard:

- 1pc of 5m QQ300 integrated TIG torch, 1 set of 300A Earth clamp+3m*25mm² Cable+ KDP-70A 1pc KDP-70A, 1pc 2.4*150mm tungsten electrode for TIG300
- 1pc of 5m QQ300 integrated TIG torch, 1 set of 300A Earth clamp+3m*35mm² Cable+ KDP-70A 1pc KDP-70A, 1pc 2.4*150mm tungsten electrode for TIG400

Optional:

- TIG Package 2: 300A Electrode clamp and 3m 25mm Cable TIG300
- TIG Package 3: 500A Electrode clamp and 3m 35mm Cable TIG400
- Argon gas regulator

• Specifications

Standard:

- HF/ Scratch TIG Current knob Downslope time knob Postflow knob
- MMA ARC force knob
- Digital display
- O.C. indicator
- Built-in O.H protection

Optional:

- 2T/ 4T function



Standard:

- HF/ Scratch TIG Current knob
- MMA ARC force knob
- Digital display
- Post time 5s

Optional:

- 2T/ 4T function



Model/Item	TIG300 (W124)	TIG400 (W125)
Input voltage (V)	AC400V ± 15%(3 phases), 50/60Hz	
Rated input current (A)	11.5	19.8
No-load voltage (V)	56	80
Output current (A)	20~210	20~375
Rated voltage (V)	22	26
Post-flow time (s)	0~10	5
Duty cycle I _{max} (40°C)	60%	40%
Duty cycle 100% (40°C)	162A	237A
No-load loss(W)	40	100
Arc-starting	HF	HF
Efficiency(%)	85	85
Power factor	0.93	0.93
Insulation class	F	F
Welding thickness(mm)	0.3~8	0.3~14
Protection class	IP21	IP21
Weight(kg)	17.6	27
Size(mm)	502x217x381	587x359x523



TIG AC/DC(V-MOS) INVERTER WELDER

• Features

- TIG AC/DC function
- 2T/4T function
- Smooth arc and stable welding performance
- DC TIG function ideal for welding carbon steel, stainless steel, copper and non-ferrous metals
- AC function ideal for aluminum & aluminum alloy welding
- Digital meter display

• Accessories



Standard:

- 1pc of 5m QQ300 integrated TIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+KDP-16A For TIG200ACDC
- 1pc of 5m WP-18 water-cooling integrated TIG torch, 1 set of 300A Earth clamp+3m 35mm² Cable+KDP-70A For TIG250ACDC

Optional:

- TIG Package7:300A Electrode clamp and 3m 16mm² Cable For TIG200ACDC
- TIG Package8:300A Electrode clamp and 3m 35mm² Cable For TIG315ACDC
- Pedal control box
- Remote control box
- Water cooler8L/9L

• Specifications

Standard:

- AC/DC
- HF/ Scratch TIG
- Current knob
- 2T/4T
- Pre-flow time knob
- Down-slope knob
- Post-flow time knob
- Clean width knob
- Digital display
- O.H & O.C indicator
- Remote control interface

Optional:

- Steel casing seletable: TIG 160ACDC(E157)



Standard:

- AC/DC
- HF/ Scratch TIG
- Current knob
- 2T/4T
- Pre-flow time knob
- Down-slope knob
- Post-flow time knob
- Clean width knob
- Digital display
- Remote control interface
- O.H & O.C indicator



Standard:

- AC/DC
- HF/ Scratch TIG
- Current knob
- 2T/4T
- Pre-flow time knob
- Down-slope knob
- Post-flow time knob
- Clean width knob
- Digital display
- Remote control interface
- O.H & O.C



Model/Item	TIG200ACDC (E164)	TIG250ACDC (E165)	TIG315ACDC (E167)
Power voltage(V)	AC230 10%(single phase),50/60Hz		
Rated input current(A)	22	16	19
Power capacitance(KVA)	5	6.3	8.9
Rated output current(A)	180	215	295
Range of output current(A)	10~180	10~215	10~295
Arc force (A)			
No-load voltage(V)	56	42	45
Working voltage(V)	17.2	18.8	22
Pre-flow (S)	0~2	0~2	0~2
Output frequency (Hz)	60	60	60
Clean width (%)	20~80	20~80	20~80
Slope-down time (S)	0~5	0~5	0~5
Post-flow time (S)	2~10	2~10	2~10
Remote control	No	Yes	Yes
Arc starting	HF vibration	HF vibration	HF vibration
Efficiency (%)	85	85	85
Duty cycle I _{max} (25°C)	60%	60%	60%
Duty cycle 100% (25°C)	135A	190A	240A
Power factor	0.7	0.93	0.93
Insulation class	F	F	F
Protection class	IP21	IP21	IP21
Welding thickness (AL,mm)	0.5~10	0.5~12	0.5~15
Weight (kg)	24	30	37
Size(mm)	587x359x523	560x365x355	560x365x355



TIG AC/DC(V-MOS) INVERTER WELDER

• Features

- ABS face and rear machine
- Pulse AC/ DC TIG function, MMA optin available
- Smooth arc and stable welding performance
- DC TIG function ideal for welding carbon steel, stainless steel, copper and other non-ferrous metals
- AC TIG function ideal for aluminum & aluminum alloy welding
- Carbon Steel casing makes it industrial worksites
- Suitable for acid and basic type electrodes

• Accessories



Standard:

- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp +3m 16mm² Cable + KDP-50A, 1pc KDP-50A for TIG 200PACDC
- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp + 3m 35mm² Cable + KDP-70A, 1pc KDP-70A for TIG250PACDC
- 1pc of 5m WP-18 water-cooling separated TIG torch, 1 set of 300A Earth clamp +3m 35mm² Cable+KDP-70A, 1pc KDP-70A for TIG315PACDC

• Specifications

Standard:

- HF/ Scratch TIG
- Peak current knob
- 2T/4T
- Pre-flow time knob
- Down-slope knob
- Post-flow time knob
- Pulse TIG
- Pulse frequency knob
- Pulse duty knob
- Basic current knob
- ACDC
- MMA
- TIG
- Clean width knob
- MMA
- ARC force knob
- Digital display
- Remote control interface
- Water cooler interface

Optional:

- Steel casing machine available
- 3ph 220/380/440V
- TIG315PACDC(E103)
- Digital front panel



TIG315PACDC(E103)



Model/Item	TIG200PACDC(E101)	TIG250PACDC(E102)	TIG315PACDC(E103)
Power voltage	AC230±10% (single phase) , 50/60Hz		
Rated input current(A)	20	16	19
Power capacitance(KVA)	4.5	6.3	8.9
Rated output current(A)	185	220	300
Range of output current(A)	10~185	15~220	15~300
Arc force(A)	0~60	0~60	0~60
No-load voltage(V)	56	42	45
Working voltage(V)	17.4	18.8	22
Pre-flow(S)	0~2	0~2	0~2
AC output frequency(Hz)	60	60	60
Clean width(%)	20~80	20~80	20~80
Slope-down time(S)	0~10	0~10	0~10
Post-flow time(S)	0~10	0~10	0~10
Base current(%)	10~90	10~90	10~90
Pulse frequency(Hz)	0.5~300	0.5~300	0.5~300
Pulse duty cycle(%)	10~90	10~90	10~90
Remote control	Yes	Yes	Yes
Arc-leading	HF vibration	HF vibration	HF vibration
Efficiency(%)	85	85	85
Duty cycle I _{max} (25°C)	60%	60%	60%
Duty cycle 100%(25°C)	150A	190A	240A
Power factor	0.93	0.93	0.93
Insulation class	B	B	B
Protection class	IP23	IP23	IP23
Welding thickness(AL,mm)	0.5~10	0.5~12	0.5~15
Weight(kg)	20	30	37
Size(mm)	493×330×320	560×365×355	560×365×355



TIG AC/DC(V-MOS) INVERTER WELDER

• Features

- ABS face and rear machine
- TIG AC/DC function
- 2T/4T function
- Smooth arc and stable welding performance
- DC TIG function ideal for welding carbon steel, stainless steel, copper and non-ferrous metals
- AC function ideal for aluminum & aluminum alloy welding
- Digital meter display

• Accessories



Standard:

- 1 pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable +KDP-50A, 1pc KDP-50A for TIG200PACDC
- 1pc of 5m WP-18 water-cooling separated TIG torch, 1 set of 300A Earth clamp+3m 35mm² Cable + KDP-70A, 1pc KDP-70A for TIG315PACDC

Optional:

- 300A Electrode clamp and 3m*16mm² Cable For TIG200PACDC
- 300A Electrode clamp and 3m*35mm² Cable For TIG315PACDC
- Pedal control box
- Remote control box

• Specifications



TIG315PACDC(E106)

Standard:

- HF TIG/ MMA
- Peak current knob
- 2T /4T button
- Pre-flow time button
- Down-slope button
- Post-flow time button
- Pulse TIG button
- Pulse frequency button
- Pulse duty button
- Basic current button
- Clean width button
- ARC force button
- Digital display
- Remote control interface
- Water cooler interface
- (TIG250PACDC, TIG315PACDC)



Model/Item	TIG200PACDC(E104)	TIG315PACDC(E106)
Power voltage	Ac230 ±10% (single phase) , 50/60Hz	AC400V±15% (3 phases) , 50/60Hz
Rated input current(A)	20	19
Power capacitance(KVA)	4.5	8.9
Rated output current(A)	200	300
Range of output current(A)	10~200	15~300
Arc force (A)		0-60
No-load voltage(V)	60V	45
Working voltage(V)	18	22
Pre-flow (S)	0~2	0~2
AC output frequency (Hz)	60	60
Clean width (%)	20~80	20~80
Slope-down time (S)	0~10	0~10
Post-flow time (S)	0~10	0~10
Base current (%)	10~90	10~90
Pulse frequency (Hz)	0.5~300	0.5~300
Pulse duty cycle (%)	10~90	10~90
Remote control	Yes	Yes
Arc-leading	HF vibration	HF vibration
Efficiency (%)	85	85
Duty cycle I _{max} (25°C)	60%	60%
Duty cycle 100% (25°C)	150A	240A
Power factor	0.93	0.93
Insulation class	F	F
Protection class	IP21S	IP21S
Welding thickness (AL, mm)	0.5~10	0.5~15
Weight (kg)	20	37
Size (mm)	493*330*320	560*365*355



TIG/ACDC/PULSE(IGBT) INVERTER

• Features

- High-quality TIG welding inverter with Pulse TIG, ACDC & MMA welding functions
- Advanced digital controls and IGBT inverter technology
- User-friendly interface with easy to adjust parameters and updatable software
- DC TIG function suitable for welding mild steel, stainless steel, copper, titanium and other metals
- AC TIG function suitable for welding aluminum & aluminum-alloy
- Automatic welding available
- Various remote control modes available

• Accessories



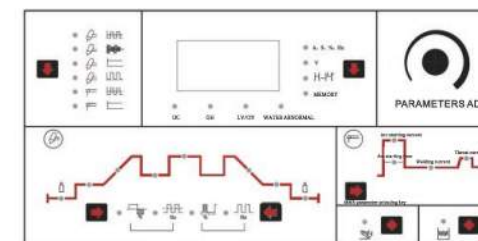
Standard:

- 1 pc of 5m WP-12 water-cooling separated TIG torch with accessories, 1 set of 500A earth clamp+3m 50mm² Cable+KDP-95A for TIG500PACDC

Optional:

- TIG Package9: 500AElectrode clamp and 3m 50mm² Cable For TIG500PACDC
- Pedal control box
- Remote control box
- Water cooler 9L

• Specifications



Standard:

- AC/DC TIG
- AC/DC MMA
- AC/DC Pulsed TIG:refer to left picture
- Parameter adjustment knob
- Parameter display meter
- Current Voltage A, S, %, Hz
- Operation mode
- Parameter group
- MMA parameter selecting zone
- TIG parameter selecting zone
- Pedal control interface
- Water-cooler interface
- Alarm display
- O.C
- O.H
- Power supply
- water-cool abnormality

Optional: - Remote digital display



Model /Item	TIG500PACDC (E312)
Rated input voltage (V)	AC/ 380±15% 50/ 60Hz
Rated output	TIG500A/ 30V MMA400A/ 36V
Rated no-load-voltage(V)	68
Duty cycle I _{max} (40°C)	60%
Duty cycle 100%(40°C)	400A
Power factor	cos φ≥0.85
Efficiency	η≥85%
Welding thickness(AL, mm)	0.5~18
Size(mm)	650x340x783
Weight (kg)	66
Protection class of case	IP21S
Parameter group	5
Welding current range(A)	20~410
Arc force current range(A/ ms)	0~100(absolute max 500A)
Arc starting current range(A)	10~200
Arc starting time range(S)	0.1~1
Welding current range (A)	20~410
AC frequency	50Hz(fixed)
Positive half-wave time/ negative half-wave time	1:1(fixed)
Pre-flow time(S)	0~15
Post-flow time(S)	2~20
TIG operation mode	20 modes(16 fixed modes and 4 programmable modes)
Arc starting current range(A)	DC: 10~510
Arc maintaining current range(A)	AC: 20~250
Upslope time(S)	0~60
Downslope time(S)	0~60
DC welding current range(A)	10~510
Pulsed peak current adjustment (A)	10~510
Pulsed base current adjustment (A)	10~510
Pulse frequency range(Hz)	0.5~200
Pulse duty ratio(%)	10~90
AC peak current adjustment range(A)	20~510
AC frequency range(Hz)	20~70
Clean width(%)	10~60(positive electrode, percentage in the period)
AC Pulse frequency range(Hz)	0.5~5.0



TIG/ACDC/PULSE(V-MOS) INVERTER

• Features

- Pulse AC/DC TIG function, MMA option available
- Smooth arc and stable welding performance
- DC TIG function ideal for welding carbon steel, stainless steel, copper and other non-ferrous metals
- AC TIG function ideal for aluminum & aluminum alloy welding
- Carbon Steel casing makes it ideal for industrial worksites
- Suitable for acid and basic type electrodes

• Accessories



Standard:

- 1pc of 4m SR-26 integrated TIG torch, 1 set of 300A Earth clamp + 3m 16mm² Cable+KDP-50A, 1pc KDP-50A for TIG200PACDC
- 1pc of 5m WP-18 water-cooling separated TIG torch, 1 set of 300A Earth clamp+3m 35mm² Cable+KDP-70A, 1pc KDP-70A for TIG315PACDC

Optional:

- TIG Package7:300A Electrode clamp and 3m 16mm² Cable For TIG200PACDC
- TIG Package8:300A Electrode clamp and 3m 35mm² Cable For TIG315PACDC
- Pedal control box
- Remote control box
- Water cooler 8L/9L

• Specifications

Standard:

- HF/ Scratch TIG
- Peak current knob
- 2T/4T
- Pre-flow time knob
- Down-slope knob
- Post-flow time knob

- Optional:**
- ABS face & rear machine
 - TIG200PACDC(E101)
 - TIG250PACDC(E102)
 - TIG315PACDC(E103)



TIG200P ACDC (E160)

- Clean width knob
- MMA
- ARC force knob
- Digital display
- Remote control interface
- Water cooler interface (E163)

- 3 ph 220V TIG315PACDC(E163)
- 3 ph 220V/ 440V TIG315PACDC(E163)
- 3 ph 220V/ 380V/ 440V TIG315PACDC(E163)
- AC Frequency knob



TIG315P ACDC (E163)

Model/Item	TIG200P ACDC (E160)	TIG315P ACDC (E163)
Power voltage	AC230 ± 10% (single phase) , 50/60Hz	AC400V ± 15% (3 phases) , 50/60Hz
Rated input current(A)	28	19
Power capacitance(KVA)	4.5	8.9
Rated output current(A)	185	295
Range of output current(A)	15~185	15~295
Arc force (A)	0~60	0~60
No-load voltage(V)	80	45
Working voltage(V)	17.4	22
Pre-flow (S)	0~1	0~1
AC output frequency (Hz)	60	60
Clean width (%)	20~80	20~80
Slope-down time (S)	0~10	0~10
Post-flow time (S)	0~10	0~10
Base current (%)	10~90	10~90
Pulse frequency (Hz)	0.5~300	0.5~300
Pulse duty cycle (%)	10~90	10~90
Remote control	Yes	Yes
Arc starting	HF vibration	HF vibration
Efficiency (%)	85	85
Duty cycle I _{max} (25°C)	60%	60%
Duty cycle 100% (25°C)	150A	240A
Power factor	0.93	0.93
Insulation class	F	F
Protection class	IP21	IP21
Welding thickness (AL,mm)	0.5~10	0.5~15
Weight (kg)	20	37
Size (mm)	493x330x320	560x365x355



MIG/MAG(IGBT) INVERTER WELDER

• Features

- Suitable for work material with a thickness of more than 0.8mm
- Stable IGBT inverter technology
- The electronic reactor controls stable welding arc ensures minimal spatter, deep welding penetration and a great welding seam

• Accessories



Standard:

- 1pc of 3m MB15 MIG torch, 1 set of 300A Earth clamp+3 25mm Cable + KDP-70A, 1pc KDP-70A, 1pc gas regulator for MIG20(N214)
- 1pc of 3m MB24 MIG torch, 1 set of 300A Earth clamp+3m 25mm Cable+KDP-70A, 1pc KDP-70A, 1pc gas regulator for MIG25(N218)

Optional:

- MIG Package3:1 set of 200A electrode holder +3m 25mm Cable+KDP-70A for MIG20(N280)
- MIG Package2:1 set of 300A electrode holder +3m 25mm Cable+KDP-70A for MIG20(N290)

• Specifications

Standard:

- MIG
- Voltage knob
- Current knob
- Inductance knob
- Digital display
- Welding current
- Welding voltage
- O.H alarm indicator
- Power indicator
- Inching wire feed button
- 1~2s postflow



Standard:

- MIG
- Voltage knob
- Current knob
- Inductance knob
- Digital display
- Welding current
- Welding voltage
- O.H alarm indicator
- Power indicator
- Inching wire feed button
- 1~2s postflow

Optional:

- 1ph AC230V input voltage: MIG250(N248)



Model/Item	MIG200 (N214)	MIG250 (N218)
Input Voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	AC380V±15% (3 phases) ,50/60Hz
Rated input current (A)	34	37.5
Power capacity (KVA)	7.8	9.4
Output current range (A)	50~200	20~250
Output voltage (VDC)	15~26	14~32
Duty cycle I _{max} (40°C)	200A / 60%	250A / 60%
Duty cycle 100% (40°C)	155A	209A
Power factor	0.72	0.93
Efficiency(%)	85	85
Type of wire feeder	Embedded	Embedded
Post-flow time (s)	1~2	1~2
Diameter of the wire spool (mm)	270	270
Diameter of the wire (mm)	0.8/1.0/1.2	0.8/1.0/1.2
Size of the machine (mm)	605x275x570	502x217x381
Weight (Kg)	24	15
Insulation class	F	F
Protection class	IP21	IP21



MIG/MAG(IGBT) INVERTER WELDER

• Features

- Triple function machine covering MIG welding, MMA welding and gasless-FCAW welding
- High duty cycle ensures high performance welding over longer durations
- Our advanced control circuitry increases the MIG welding function
- Stable welding arc, minimal spatter & beautiful shaping
- High welding efficiency

• Accessories



Standard:

- 1pc of 3m MB15 MIG torch, 1 set of 300A Earth clamp+3m 25mm² Cable+ KDP-70A ,1PC gas regulator for MIG200(N280)
- 1pc of 3m MB24 MIG torch, 1 set of 300A Earth clamp+3m 25mm² Cable+ KDP-70A ,1PC gas regulator for MIG250(N292)
- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+ KDP-70A ,1PC KDP-70A,1 pc gas regulator for MIG250(N293)

Optional:

- MIG Package 3:1 set of 200A Electrode holder +3m 25mm² Cable+KDP-70A for MIG200(N280)
- MIG Package 2:1 set of 300A Electrode holder +3m 25mm² Cable+KDP-70A for MIG250(N292)
- MIG Package 1:1 set of 500A Electrode holder +3m 35mm² Cable+KDP-70A for MIG350(N293)

• Specifications

Standard:

- MIG
 - Voltage knob
 - Wire feeding speed knob
 - Burn back
- MMA
 - Current knob
 - Gasless FCAW
 - Spool gun interface
 - Digital display A/V
 - Alarm indicator O.C&O.H
 - Inching wire feed button
 - Trolley

Optional:

- Lift-arc/ TIG
- 2T/ 4T function
- V.R.D



Standard:

- MIG
 - Voltage knob
 - Wire feeding speed knob
 - Burn back
- MMA
 - Current knob
 - Gasless FCAW
 - Spool gun interface
 - Digital display A/V
 - Alarm indicator O.C&O.H
 - Inching wire feed button
 - Trolley attached to inverter before shipment

Optional:

- 3 ph 380V MG250(N290, N210)
- Lift-arc/ TIG
- 2T/ 4T function
- V.R.D



Standard:

- MIG
 - Voltage knob
 - Inductance knob
 - Wire feeding speed knob
 - Burn back
- MMA
 - Current knob
 - Lift-arc/TIG
 - V.R.D switch
 - Gasless FCAW
 - Spool gun interface
 - Digital display A/V
 - Alarm indicator O.C&O.H
 - V.R.D indicator
 - Inching wire feed button
 - Trolley attached to inverter before shipment

Optional:

- 3 ph 230V MIG350(N293)
- 2T/4T function



Model/Item	MIG200 (N280)	MIG250(N292)	MIG350 (N293)
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz		
Rated input current (A)	34	47	21.2
Rated power supply capacity (KVA)	7.8	10.8	14
MMA welding current range (A)	10~200	10~250	20~350
MIG current range (A)	25~200	25~250	50~350
MIG voltage range (V)	11~27	11~29	15~38
No-load voltage (V)	52	54	59
Wire feed speed range (m/min)	1.5~16	1.5~16	1.5~16
Electrode diameter applicable (mm)	0.6/0.8/0.9/1.0	0.6/0.8/0.9/1.0	0.8/0.9/1.0/1.2
Duty cycle I _{max} (40°C)	200A / 35%	250A / 35%	350A / 40%
Duty cycle 100% (40°C)	118A	148A	221A
Duty cycle 60% (40°C)	152A	191A	285A
Efficiency (%)	85	85	85
Power factor	0.72	0.72	0.93
Protection class	IP21S	IP21S	IP21S
Insulation class	F	F	F
Size (mm)	880x296x616	880x296x616	880x296x616
Weight (Kg)	45	45	45



MIG/MAG(IGBT) INVERTER WELDER

• Features

- MIG/TIG/MMA multi-function IGBT inverter
- Fit for wire diameter 0.6~1.0mm
- Optional ABS face and rear for innovative design
- This inverter's stable arc is suitable for almost any welding need

• Accessories



Standard:

- 1pc of 3m MB15 MIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+KDP-16A , 1PC KDP-16A For MIG160/160III
- 1pc of 3m MB24 MIG torch, 1 set of 300A Earth clamp+3m 25mm² Cable+ KDP-70A , 1PC KDP-70A For MIG250/250III

Optional:

- MIG Package1:1 set of 200A Electrode holder+3m 16mm² Cable+ KDP-16A For MIG160/160III
- MIG Package2:1 set of 300A Electrode holder+3m 25mm² Cable+ KDP-70A For MIG250/250III

• Specifications

Standard:

- MIG/MAG
 - Voltage knob
 - Wire feeding speed knob
 - Burn back (1~5s)
- MMA
 - Current knob
 - Gasless FCAW
 - O.H. alarm indicator
 - Power indicator
 - Inching wire feed button

Optional:

- Sepcial desinged trolley
- Double drive wire feeder
- Dual voltage 120/ 230V MG160(N235)



Standard:

- MIG/MAG
 - Voltage knob
 - Wire feeding speed knob
 - Burn back (1~5s)
- MMA
 - Current knob
 - Lift-arc/TIG
 - Built-in V.R.D
 - Spool gun interface
 - Gasless FCAW function
 - Digital display A/V
 - O.H/Power/V.R.D indicator
 - Inching wire feed button

Optional:

- 1 PCB MIG160 machine
- Dual voltage 115/220V MIG160III(N207)
- Special designed trolley MIG250III(N208)



Model/Item	MIG160 (N235)	MIG250 (N246)	MIG160III(N207)	MIG250III(N208)
Input power voltage (V)	AC230 ± 15% (single phase) , 50/60Hz			
Rated input current (A)	30	53.3	30	53.3
Rated power capacity (KVA)	6.9	12.2	6.9	12.2
Recommended fuse capacity (A)	50	70	50	70
Current adjustment range (A) (MMA)	10~160	10~250	10~160	10~250
Current adjustment range (A)	30~160	30~250	30~160	30~250
Voltage adjustment range (V)	11~26	11~29	11~26	11~29
No-load voltage (V)	50	54	50	54
Wile feeding speed range (m/min)	1.5~16	1.5~16	1.5~16	1.5~16
Welding wire diameter (mm)	0.6/0.8/0.9	0.6/0.8/0.9/1.0	0.6/0.8/0.9	0.6/0.8/0.9/1.0
Duty cycle I _{max} (40°C)	160A / 35%	250A / 35%	160A / 35%	250A / 35%
Duty cycle 100% (40°C)	95A	148A	95A	148A
Duty cycle 60% (40°C)	127A	191A	127A	191A
Efficiency (%)	85	85	85	85
Power factor	0.72	0.72	0.72	0.72
Protection class	IP21S	IP21S	IP21S	IP21S
Insulation class	F	F	F	F
Size (mm)	480x230x360	580x280x450	528x250x425	670x295x500
Weight (kg)	18	25	18	24



MIG/MAG(IGBT) INVERTER WELDER

• Features

- MIG / MAG /MMA & TIG welding function
- High duty cycle allows welding over longer durations
- Stable voltage output
- Suitable for work material with any electrode
- Enhances the welding efficiency and energy saving effect
- Easy to operate, stable welding arc, minimal spatter and beautiful shaping.

• Accessories



Standard:

- 1pc of 3m MB15 MIG torch, 1 set of 300A Earth clamp+3m 16mm² Cable+KDP-16A , 1PC KDP-16A For MIG160/160III
- 1pc of 3m MB24 MIG torch, 1 set of 300A Earth clamp+3m 25mm² Cable+ KDP-70A , 1PC KDP-70A For MIG250/250III

Optional:

- MIG Package1: 1 set of 200A Electrode holder+3m 16mm² Cable+ KDP-16A For MIG160/160III
- MIG Package2: 1 set of 300A Electrode holder+3m 25mm² Cable+ KDP-70A For MIG250/250III

• Specifications

Standard:

- Voltage & Current indicator
- Alarm indicator
- Digital display
- V.R.D indicator
- Current control knob for TIG / MMA
- Voltage control knob for MIG / Arc force control knob for MMA

Optional:

- 1ph 220V / 230V / 240V selectable
- MIG160 (N212) / MIG250 (N213)



Model/Item	MIG160 (N212)	MIG250 (N213)
Input power voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	
Rated input current (A)	36.5	53.3
Rated power capacity (KVA)	8.4	12.2
Recommended fuse capacity	50	70
Output current range(MMA/TIG)(A)	10~160	10~250
Output current range(MIG)(A)	25~160	25~250
Output Voltage range(MIG)(V)	11~26	11~29
No-load voltage(V)	51	51
Wire feed speed range(m/ min)	1.5~14	1.5~16
Wire diameter applicable(mm)	0.6/ 0.8/ 0.9	0.6/ 0.8/ 0.9/ 1.0
Rated duty cycle	35%	35%
External characteristic	Constant-current (MMA/TIG), constant-voltage (MIG)	
Efficiency(%)	85	85
Power factor	0.72	0.72
Protection class	IP21S	IP21S
Insulation class	F	F
Cooling mode	Air-cooling	Air-cooling
Overall size(mm)	528x250x425	670x295x500
Weight (kg)	18	24



MIG/MAG(IGBT) INVERTER WELDER

• Features

- New design in 1 PCB MIG/MAG arc welding machine
- MIG/MMA multi-function IGBT inverter
- Wire diameter from 0.6 ~1.0mm
- Stable arc is suitable for almost any welding need

• Accessories



Standard:

- 1pc of 3m MB-15 MIG torch, 1set of 300A Earth clamp +3m 16mm² Cable + KDP-16A

• Specifications

Standard:

- MIG / MAG
- Voltage knob
- Wire feeding speed knob
- Bure back (1~5s)
- MMA
- Current knob
- Gasless FCAW
- O.H. alarm indicator
- Power indicator

Optional:

- TIG function
- Lift arc
- Down-slope time knob



Model/Item	MIG160(N219)	MIG200(N220)
Input Power Voltage (V)	AC230V ±15% 50/60HZ(Single Phase)	AC230V ±15% 50/60HZ(Single Phase)
Rated Power Capacity (KVA)	7.1	9.4
Current Adjustment Range (A)	10~ 160	10~ 200
Voltage Adjustment Range (V)	11~26	11~28
No-load Voltage (V)	53	53
Welding Wire Diameter (mm)	0.6/0.8/0.9	0.6/0.8/0.9/1.0
Duty Cycle I _{max} (40℃)	35%	35%
Efficiency (%)	85	85
Power Factor	0.7	0.7
Protection Class	IP21	IP21
Insulation Class	F	F
Noises (db)	< 70	< 80
Size (mm) with Handle	485x185x370	485x185x370
Weight (kg)	12.5	12.5



MIG/MAG(IGBT) INVERTER WELDER

• Features

- Has both MIG & MMA functions
- Special MIG functions on this inverter are:
 - Enhanced spot welding
 - Increased duty cycle
- High performance cost ratio making this inverter a great return on investment

• Accessories



Standard:

- 1 pc of 3m MB-15 MIG torch, 1 set of 300A Earth clamp +3m 25mm² Cable + KDP-70A, 1pc KDP-70A, 1pc gas regulator, 1pc WF-21 wire feeder for MIG250F / MIG270F
- 1pc of 3m MB-24 MIG torch, 1 set of 350A Earth clamp +3m 35mm² Cable +KDP-70A, 1pc KDP-70A, 1pc gas regulator, 1pc WF-21 wirefeeder for MIG315F

• Specifications

Standard:

- MIG Inductance knob
- MMA MMA current knob
- Spot welding switch
- Digital display A/V
- Alarm indicator O.C. & O.H.
- Power LED indicator
- Wire feeder WF-21
- Inching wire feed button
- Voltage knob
- Current knob
- 2T/4T

Optional:

- Wire coil housing(black)



Standard:

- MIG Inductance knob
- MMA MMA current knob
- Spot welding switch
- Digital display A/V
- Alarm indicator O.C. & O.H.
- Power LED indicator
- Wire feeder WF-21
- Inching wire feed button
- Voltage knob
- Current knob
- 2T/4T

Optional:

- 3ph 380V selectable MIG315F(N202)



Standard:

- MIG Inductance knob
- MMA MMA current knob
- Spot welding switch
- Digital display A/V
- Alarm indicator O.C. & O.H.
- Power LED indicator
- Wire feeder WF-21
- Inching wire feed button
- Voltage knob
- Current knob
- 2T/4T

Optional:

- ABS face and rear selectable: MIG315 (N202)



Model/Item	MIG250F(N201)	MIG270F(N203)	MIG350F(N204)
Input voltage (V)	AC380V±15% (3 phases) ,50/60Hz		
Input current (A)	12.7	14.4	18
Input power capacity (KVA)	8.4	9.4	11.9
Output current range (A)	35~250	35~270	35~350
Output voltage range (V)	14~32	14~32	14~34
No-load voltage (V)	52	52	52
Wire feed speed (m/min)	1.5~1.6	1.5~1.6	1.5~1.6
Wire diameter (mm)	0.8~1.2	0.8~1.2	0.8~1.2
Duty cycle I _{max} (40°C)	250A/60%	270A/60%	315A/40%
Duty cycle 100% (40°C)	194A	209A	199A
Duty cycle 60% (40°C)	--	--	256A
Efficiency (%)	85	85	85
Power factor	0.93	0.93	0.93
MMA output current (A)	20~220	20~220	20~220
Protection class	IP21	IP21	IP21
Insulation class	F	F	F
Size(mm)	510x196x385	502x217x381	502x217x381
Weight (Kg)	15	15	15



MIG/MAG(IGBT) INVERTER WELDER

• Features

- IGBT inverter with MIG, MMA, and gasless FCAW functions
- High duty cycle allows welding over longer durations
- Our advanced control circuitry increases the MIG welding function
- Stable welding arc, minimal spatter & beautiful shaping
- High welding efficiency

• Accessories

Standard:

- 1pc of 3m MB24 MIG torch, 1 set of 300A Earth clamp+3m 35mm² Cable+ KDP-70A ,1PC KDP-70A,5m connecting cable,1 unit CS501B wire feeder,1 unit trolley For MIG250(N223)
- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+ KDP-70A ,1PC KDP-70A,5m connecting cable,1 unit CS501B wire feeder,1 unit trolley For MIG350(N222)
- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 70mm² Cable+ KDP-95A ,1PC KDP-95A,5m connecting cable,1 unit CS501B wire feeder,1 unit trolley For MIG500(N221)

Optional:

- MIG Package4:1 set of 300A Electrode holder+3m 35mm² Cable+ KDP-70A For MIG250(N223)
- MIG Package5:1 set of 500A Electrode holder+3m 50mm² Cable+ KDP-70A For MIG350(N222)
- MIG Package6:1 set of 500A Electrode holder+3m 70mm² Cable+ KDP-95A For MIG500(N221)
- 4L water cooler, water cooling MIG/MAG torch MB501D

• Specifications

Standard:

- MIG Crater current knob
- Crater voltage knob
- Inductance knob
- Burnback time knob(back panel)
- MMA MMA current knob
- Gasless FCAW
- 2T/4T
- Gas check switch
- Digital display A/V
- Alarm lamp O.C & O.H
- Power LED
- Wire feeder CS501
- Inching wire feed button
- Voltage knob
- Current knob
- Lift arc efficiency

Optional:

- Standard water cooling machine selectable MIG500(N291,N221)/MIG350(N272,N222)/MIG250(N273,N223) with cooler(4L) ABS water cooling machine(will be designed)
- 3ph 220V MIG350(N222,N272)
- 3ph 220/380V MIG350(N222,N272)
- V.R.D function



Model/Item	MIG250 (N223)	MIG350 (N222)	MIG500 (N221)
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	AC380V±15% (3 phases) ,50/60Hz	
Rated input current (A)	53.3	22.9	38
Rated power supply capacity (KVA)	12.3	15	25.3
Recommended fuse capacity (A)	70	40	60
MMA welding current range (A)	10~250	20~350	20~500
MIG current range (A)	20~250	50~350	50~500
MIG voltage range (V)	11~29	15~36	15~48
No-load voltage (V)	54	60	75
Wire feed speed range(m/min)	1.5~16	1.5~16	1.5~18
Electrode diameter applicable (mm)	0.6/0.8/0.9/1.0	0.8/1.0/1.2	1.0/1.2/1.6
Duty cycle I _{max} (40°C)	250A/35%	350A/40%	500A/60%
Duty cycle 100% (40°C)	148A	221A	387A
Duty cycle 60% (40°C)	191A	285A	—
Efficiency (%)	85	85	85
Power factor	0.72	0.93	0.93
Protection class	IP21	IP21	IP21
Insulation class	F	F	F
Size (mm)	595x285x324	595x285x470	595x285x543
Weight (Kg)	26	32	35



MIG/MAG(IGBT) INVERTER WELDER

• Features

- This inverter employs IGBT technology to give current control, reliable quality & stable performance to the user
- Closed loop feedback control and stable voltage output features allow the inverter to function within $\pm 15\%$ of any voltage fluctuation
- The electronic reactor controls stable welding arc ensures minimal spatter, deep welding penetration and a great welding bead
- Easy to use, compact size, lightweight, economical and practical
- Excellent welding results due to our adjustable welding current feature that precisely matches the voltage

• Accessories



Standard:

- 1pc of 3m MB36 MIG torch, 1set of 500A Earth clamp+3m 35mm² Cable +KDP-70A, 5m connecting cable, 1unit WF-23 wire feeder for MIG350(N361)
- 1pc of 3m MB36(3m) MIG torch, 1set of 500A Earth clamp+3m 50mm² Cable +KDP-95A, 5m connecting cable, 1unit WF-23 wire feeder for MIG500(N308)

• Specifications

Standard:

- MIG
- Crater current knob
- Crater voltage knob
- Inductance knob
- 2T/4T
- Gas check switch
- Digital display
- Welding current
- Welding Voltage
- O.H alarm indicator
- Power indicator
- Wire feeder WF23A



Standard:

- MIG
- Crater current knob
- Crater voltage knob
- Inductance knob
- 2T/4T
- Gas check switch
- Digital display
- Welding current
- Welding Voltage
- O.H alarm indicator
- Power indicator
- Wire feeder WF23A
- Inching wire feed button
- Voltage knob
- Current knob
- Special designed for severe environment

NEW



Model/Item	MIG350 (N361)	MIG500 (N308)
Input voltage/frequency (V)	AC380V $\pm 15\%$ (3 phases) ,50/60Hz	
Rated input current (A)	30	39
Rated input capacity (KVA)	19.56	25.6
Output current range (A)	50~350	50~500
Output voltage range (V)	15~40	15.5~50
Duty cycle I _{max} (40°C)	100%	60%
Duty cycle 100% (40°C)	400A	387A
Power factor (cos θ)	0.9	0.88
Efficiency (%)	89	85
Wire feed speed (m/min)	1.5~18	1.5~18
Diameter of wire spool (mm)	270	270
Diameter of wire (mm)	0.8/ 1.0/ 1.2	1.0/ 1.2/ 1.6
Weight (Kg)	41	57
Dimensions (mm)	570x285x470	625x336x670
Insulation class	F	F
Protection class	IP21S	IP21
Welding thickness (mm)	≥ 1.0	≥ 1.2



MIG/MAG(IGBT) INVERTER WELDER

• Features

- IGBT inverter with both MIG & MMA functions
- High duty cycle allows welding over longer durations
- Our advanced control circuitry increases the MIG welding function
- Excellent welding results due to our adjustable welding current feature that precisely matches the voltage
- Stable welding arc, minimal spatter & beautiful shaping
- High welding efficiency

• Accessories



Standard:

- 1pc of 3m MB-36 MIG torch, 1 set of 500A Earth clamp+3m 35mm² Cable+Lug, 5m 35 mm2 connecting cablefor MIG350(N216)+1pc gas meter
- 1pc of 3m MB-36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+Lug, 5m 50mm2 connecting cablefor MIG500(N215)+1pc gas meter

• Specifications

Standard:

- MIG
- Crater current knob
- Crater voltage knob
- Inductance knob
- 2T/4T
- Gas inspection switch
- MMA
- Current knob
- Digital display V/A
- O.C alarm & Over-load indicator
- Wire feeder WF-23A
- Inching wire feed button
- Voltage knob
- Current knob

NEW



Standard:

- MIG
- Crater current knob
- Crater voltage knob
- Inductance knob
- 2T/4T
- Gas inspection switch
- MMA
- Current knob
- Digital display V / A
- O.C alarm & Over-load indicator
- Wire feeder WF-23A
- Inching wire feed button
- Voltage knob
- Current knob

NEW



Model/Item	MIG350 (N216)	MIG500 (N215)
Input voltage(V)	AC380 $\pm 15\%$ (3Phase),50/60Hz	
Input current(A)	22.9	39
Rated output (MIG)	350A/ 31.5V	500A/ 39V
Wire feeding speed(m/min)	1.5~1.6	0.8~22.5
Output voltage range (V,MIG)	15~38	15~50
Output current range (A,MMA)	20~350	30~500
No-load voltage (V)	60	68
Diameter of wire (mm)	0.8/ 1.0/ 1.2	1.0/ 1.2/ 1.6
Duty cycle I _{max} (40)	350A/ 50%	500A / 50%
Duty cycle 100% (40)	247A	354A
Protection class	IP21	IP21
Size (mm)	615x285x530	675x350x665
Weight (kg)	40	55



MIG/MAG(IGBT) INVERTER WELDER

• Features

- MIG/MAG & FCAW welding function
- Synergic control of V/A
- Pulse MIG/MAG, and Synergic-pulsed MIG of MIG500(J77)
- Stable welding arc, minimal spatter & beautiful shaping
- High duty cycle allows welding over longer durations
- Controlled by CPU, Synergic control of welding voltage and current
- Arc starting and melting-ball removal features ensure a high rate of efficient arc starting

• Accessories



Standard:

- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+ KDP-95A, 5m connecting cable, 1 unit WF-23A wire feeder For MIG500(N306)
- 1pc of 3m MB501D water-cooled MIG torch, 1pc water cooler, 1 set of 500A Earth clamp+3m 50mm² Cable+ Lug (KDZ-95B), 1pc Lug (KDZ-95B), 1 unit WF-23(J77) wire feeder, 1 unit trolley(J77), gas regulator For MIG500(N377)

• Specifications

Standard:

- MIG
 - Crater current knob
 - Crater voltage knob
 - Inductance knob
- FCAW
- 2T/4T
- Synergic control of V/A
- Centralization of V/A
- Wire diameter $\Phi 1.0/\Phi 1.2/\Phi 1.6$
- Gas checking
- Digital display V/A
- Protection & Power indicator
- Pre-flow time adjustment
- Post-flow time adjustment
- Removing melting ball voltage adjustment



MIG500 (N306)

Standard:

- MIG/MAG
- Double pulse MIG/MAG
- Synergic control of V/A
- TIG and Pulse TIG
- MMA
- 2T, 4T, Programmed 4 steps and User-defined mode
- Graphics coordinate panel
- Synergic and step-less adjustment (welding machine)
- Double knobs step-less adjustment (wire feeder)
- Double 3 bits digital display on machine
- Double 3 bits digital display on wire feeder



MIG500 (N377)

Model /Item	MIG500 (N306)	MIG500 (N377)
Input voltage (V)	AC 330~460V(3 phases), 50/60Hz	AC400V $\pm$ 15%(3 phases), 50/60Hz
Rated input current (A)	37.0	37.5
Power supply capacity (KVA)	24	25.3
Output current (A)	60~500	10~500
Output voltage (V)	16~39	12~39
Rated output	500A/39V	500A/39V
Duty cycle I _{max} (40°C)	60%	60%
Duty cycle 100% (40°C)	385A	385A
Wire feeder type	Separate	Separate
Wire feed speed(m/min)	1.5~18	1.0~18.0
Welding wire diameter(mm)	1.0/1.2/1.6	0.8/1.0/1.2/1.6
Insulation class	F	F
Protection class	IP21S	IP21S
Size (mm)	640 × 330 × 620	769 × 330 × 566
Weight (kg)	62	55



MIG/MAG(IGBT) INVERTER WELDER

• Features

- Digital control DC MIG/MAG welder
- With synergic A/V control function
- With MMA welding mode
- 2T/4T, spot welding, repeated 4T and fine control 2T/4T
- CAN interface to work together with robot
- Built in RS-485/RS-232 interface(inside welder)
- Built in same-penetration control welding

• Accessories



Standard:

- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+ KDP-95A, 5m connecting cable, 1 unit WF-23A wire feeder For MIG500(N306)
- 1pc of 3m MB501D water-cooled MIG torch, 1pc water cooler, 1 set of 500A Earth clamp+3m 50mm² Cable+ Lug (KDZ-95B), 1pc Lug (KDZ-95B), 1 unit WF-23(J77) wire feeder, 1 unit trolley(J77), gas regulator For MIG500(N377)

• Specifications



Rated input voltage	3 single phase 380V / 50 、 60Hz
Input current range	320V ~ 440V
Power factor	0.91
No-load voltage	62V
MIG output	30A / 15.5V ~ 350A / 31.5V
MMA output	30A / 21.5V ~ 350A / 34V
Duty cycle I _{max}	60% 350A / 31.5V(MIG) 34V(MMA) 40°C
Current range	MIG : 30A ~ 400A MMA : 30A ~ 360A
Short circuit current	550A
Voltage range	12V ~ 40V
Synergic step-less adjustment	Standard voltage $\pm$ 9V
Protection class	IP21S
Insulation class	H
Size	760 × 360 × 585
Weight kg	41



MIG-350 (N315)



MIG/MAG(IGBT) INVERTER WELDER

• Features

- Digital control DC MIG/MAG welder
- With synergic A/V control function
- With MMA welding mode
- 2T/4T, spot welding, repeated 4T and fine control 2T/4T
- CAN interface to work together with robot
- Built in RS-485/RS-232 interface(inside welder)
- Built in same-penetration control welding

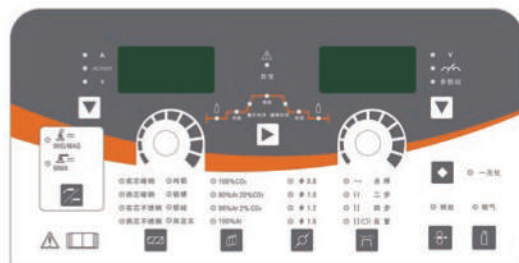
• Accessories



Standard:

- 1pc of 3m MB36 MIG torch, 1 set of 500A Earth clamp+3m 50mm² Cable+ KDP-95A , 5m connecting cable, 1 unit WF-23A wire feeder For MIG500(N306)
- 1pc of 3m MB501D water-cooled MIG torch, 1pc water cooler, 1 set of 500A Earth clamp+3m 50mm² Cable+ Lug (KDZ-95B), 1pc Lug (KDZ-95B), 1 unit WF-23(J77) wire feeder, 1 unit trolley(J77), gas regulator For MIG500(N377)

• Specifications



MIG 500(N304)

Model	MIG500(N304)
Rated input voltage	3phases, AC380V± 15% 50/60Hz
Input current (A)	37
Input capacity (KVA)	24
Output current range	MIG: 60 – 510A MMA: 30–510A
Output voltage	16 – 42V
Output current rated (A)	500
Rated output voltage (V)	MIG: 39V MMA: 40V
Duty cycle imax (%)	60
Wire feeder model	Separate
Wire feeder speed (m/min)	1.5 – 22
Elektrode diameter (mm)	1.0/1.2/1.6
Insulation class	F
Protection class	IP21S
Input cable (mm²)	4 × 6 mm²
Output cable (mm²)	≥ 50



CUT(IGBT) PLASMA CUTTER

• Features

- Able to cut carbon steel, stainless steel, galvanized steel, copper and aluminum and other metals
- Output current is stable due to feed-back circuit controlled by our advanced IGBT technology
- Double valve control for gas, easy arc starting option
- High or low voltage fluctuations, overheating and low air pressure are controlled by built-in protections

• Accessories



Standard:

- 1pc of 5m P80 plasma torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-50A , 1 set of air regulator for CUT100(L201)
- 1pc of 6m A101 plasma torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-50A , 1 set of air regulator for CUT100(L271)
- 1pc of 6m A141 plasma torch, 1 set of 300A Earth clamp+3m 25mm² Cable+ KDP-70A , 1 set of air regulator for CUT160(L307)

Optional:

- CUT160(J47): Water cooling plasma cutting torch
- Low frequency plasma torch for CUT100(L271): S105(6m)

• Specifications

Standard:

- Plasma cutting
- Current knob
- 2T/4T Switch
- Gas inspection switch
- Air pressure indicator
- Under-voltage indicator
- O.C. & O.H. alarm indicator
- Digital display

Optional:

- Low frequency arc starting machine: CUT100C(L271)
- Built-in Torch tail
- Plasma center socket for torch



Standard:

- Plasma cutting
- Current knob
- 2T/4T Switch
- Gas inspection switch
- Air pressure indicator
- Power indicator
- Protection indicator
- Digital display

Optional:

- CUT200(L301)selectable
- Automatic cutting equipment
- CNC(full automatic)
- Welding tractor(semi-automatic)
- Plasma center socket for torch



Standard:

- Plasma cutting
- Current knob
- 2T/4T Switch
- Gas inspection switch
- Air pressure indicator
- Protection LED
- Digital display

Optional:

- Automatic cutting equipment
- CNC (full automatic)
- Welding tractor (self automatic)
- HF arc starting
- Built-in Torch tail
- Plasma center socket for torch



Model/Item	CUT100 (L201)	CUT100 (L271)	CUT160 (L307)
Rated input voltage	AC380V±15% (3 phases) ,50/ 60Hz		
Rated input current(A)	24	24	41.9
Rated input capacity (KVA)	16	16	29
Rated output	100A/ 120A	100A/ 120V	160A/ 144V
Welding current range (A)	20~100	~ 20~100	30~ 160
No-load voltage (V)	315	315	330
Duty cycle I _{max} (40°C)	60%	60%	60%
Duty cycle 100% (40°C)	77A	77A	124A
Efficiency (%)	85	85	88
Power factor	0.80	0.80	0.93
Arc starting		LF/ HF	LF/ HF
Protection class	IP21S	IP21S	IP21S
Insulation class	F	F	F
Compressed Air (for carbon steel)	0.4~0.6MPa; 7800L/h	0.4~0.6MPa; 7800L/h	0.4~0.6MPa;7800L/h
Compressed Air (for stainless steel)	0.4~0.6MPa; 1200L/h	0.4~0.6MPa; 1200L/h	0.4~0.6MPa;1200L/h
Max. cutting thickness (mm)	35	35	60
Quality cutting thickness(mm)	25	25	40
Size (mm) (L × W × H)	568x253x443	530x275x480	625x336x670
Weight (kg)	25	25	54.4



CUT(V-MOS) PLASMA CUTTER

• Features

- Plasma ARC Cutting function
- HF touch arc-starting
- Suitable for cutting stainless steel, copper, carbon steel and aluminum, and other metals
- Easy to cut metals in a fast and economical way
- Easy to operate, smooth cutting performance
- Waterproof, anti-static and economical

• Accessories



Standard:

- 1pc of 5m PT-31 plasma torch, 1 set of 300A Earth clamp+3m 6mm² Cable+ KDP-16A, 1 set of air regulator.



CUT(V-MOS) PLASMA CUTTER

• Features

- Easy to cut thick metals in a fast and economical way
- Suitable for cutting stainless steel, copper, carbon steel and aluminum and other metals
- Easy to operate, smooth cutting performance
- HF non-touch arc-starting function available for CUT70C and CUT100C upon request

• Accessories



Standard:

- 1pc of 5m P80 plasma torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-16A, 1 set of air regulator for CUT70/CUT100
- 1pc of 5m TZ-100 plasma torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-16A, 1 set of air regulator for CUT120

• Specifications

Standard:

- Plasma cutting
- Current knob
- O.C indicator(O.C & O.H alarm)
- Power supply indicator

Optional:

- ABS casing: CUT40II(L156)
- ABS face and rear: CUT40III(L202)
- 110V/220V dual-voltage



Standard:

- Plasma cutting
- Current knob
- O.C indicator(O.C & O.H alarm)
- Center torch socket

Optional:

- 2T/4T
- 110V/220V dual-voltage



Model/Item	CUT40 (L131)	CUT40B (L134)
Input voltage (V)	AC230V±15% (single phases) ,50/60Hz	AC230 ± 10% (single phase) , 50/60Hz
Rated input current (A)	24.3	22
Input power capacity (KVA)	5.6	6
No-load voltage (V)	220	230
Current range (A)	20~40	20~40
Voltage range (V)	88~96	96
Duty cycle I _{max} (25°C)	60%	60
Duty cycle 100% (25°C)	31A	32A
Efficiency (%)	85	85
Power factor	0.8	0.93
Insulation class	B	B
Protection class	IP23	IP23
Arc starting	Touch	No-touch
Compressed air (for carbon steel)	0.4~0.6MPa; 7800L/h	0.4~0.6MPa; 7800L/h
Compressed air (for stainless steel)	0.4~0.6MPa; 1200L/h	0.4~0.6MPa; 1200L/h
Max. cutting thickness (mm)	12	12
Quality cutting thickness(mm)	6	6
Weight (kg)	8.6	8
Size (mm) (L×W×H)	371 × 155 × 295	425 × 205 × 355

• Specifications

Standard:

- Plasma cutting
- Current knob
- HF arc starting interface
- O.C indicator(O.C & O.H alarm)
- Digital display

Optional:

- Built-in Torch tail
- CUT70C selectable
- Plasma central torch interface selectable
- 3 ph 220/380/440V CUT70
- 1 ph 220V CUT70



Standard:

- Plasma cutting
- Current knob
- HF arc starting interface
- O.C indicator(O.C & O.H alarm)
- Digital display

Optional:

- Built-in Torch tail
- Plasma central torch interface selectable
- 3 ph 230V CUT120



Model/Item	CUT70 (L133)	CUT120 (L186)
Input voltage (V)	AC400V ± 10%(3 phases) , 50/60Hz	
Rated input current (A)	15.9	28.9
Input capacity (KVA)	11	20
No-load voltage (V)	240	270
Current range (A)	20~60	20~110
Output voltage (V)	108	128
Duty cycle I _{max} (25°C)	60	60
Duty cycle 100% (25°C)	45A	85A
Efficiency (%)	85	85
Power factor	0.93	0.93
Insulation class	B	B
Protection class	IP23	IP23
Arc Starting	No-contact arc-starting	No-contact arc-starting
Compressed Air (for carbon steel)	0.4~0.6MPa; 7800L/h	0.4~0.6MPa; 7800L/h
Compressed Air (for stainless steel)	0.4~0.6MPa; 1200L/h	0.4~0.6MPa; 1200L/h
Max. cutting thickness (mm)	25	35
Quality cutting thickness(mm)	14	25
Weight (Kg)	25	35
Size (mm) (L×W×H)	540 × 215 × 360	475 × 330 × 370



CUT/TIG/MMA(V-MOS) INVERTER WELDER

• Features

- Plasma cutting, TIG, MMA functions included
- HF touch arc starting, economical and practical
- Compact, light and portable

• Accessories



Standard:

- 1 pc of 4m SR-17 TIG torch, 1pc of 5m PT-31 plasma torch, 1 set of 300A Earth clamp+3m 10mm² Cable+ KDP-16A, 1pc KDP-16A, 1 set of air regulator, 1pc 1.6*150mm tungsten electrode For CT312
- 1 pc of 4m SR-17 TIG torch, 1pc of 5m PT-31 plasma torch, 1 set of 300A Earth clamp+3m 16mm² Cable+ KDP-16A, 1pc KDP-16A, 1 set of air regulator, 1pc 1.6*150mm tungsten electrode For CT416

Optional:

- CT Package1: 1 set of 300A Electrode holder+3m 16mm² Cable
- Custom-designed luxury case

• Specifications

Standard:

- Plasma cutting
- TIG
- MMA
- Current knob
- O.C indicator(O.C & O.H alarm)
- Power supply indicator

Optional:

- ABS casing: CT312II (L180)
- ABS face and rear: CT312III(L105)



CT312 (L139)

Standard:

- Plasma cutting
- TIG
- MMA
- Current knob
- Gas inspection switch 3s/6s/10s
- O.C indicator(O.C & O.H alarm)



CT416 (L140)

Model/Item	CT312 (L139)		CT416 (L140)
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz		
Rated input current (A)	19		27.3
Rated input capacity (KVA)	4.2		6
No-load loss (W)	40		40
Power factor	0.93		0.93
Efficiency (%)	85		85
Insulation class	B		B
Protection class	IP23		IP23
Weight (Kg)	9		13
Size (mm)	371 × 155 × 285		425 × 205 × 355

	TIG	MMA	PLASMA	TIG	MMA	PLASMA
Input current (A)	10.2	15.6	19	15	22	27.3
Output current (A)	120	110	30	160A	150	40
Current range (A)	10~120	10~110	15~30	15~160	15~150	20~40
No-load voltage (V)	55	55	220	62	62	250
Working voltage (V)	15	25	92	16.5	26	96
Duty cycle I _{max} (25°C)	60%	60%	60%	60%	60%	60%
Duty cycle 100% (25°C)	90A	85A	20A	120A	110A	25A
Nozzle internal (mm)	--	--	Ø1.0	--	--	Ø1.2
Air pressure (MPa)	--	--	0.4	--	--	0.4
Gas flow (L/h)	120~300	--	7800	120~300	--	7800
Max. cutting thickness (mm)	--	--	8	--	--	12
Quality cutting thickness(mm)	--	--	5	--	--	8
Arc starting	HF vibration	Touch	HF vibration	HF vibration	Touch	HF vibration



SAW(IGBT) INVERTER WELDER

• Features

- Multifunction: SAW, MMA & Carbon Arc Gouging
- Advanced IGBT inverter technology
- Internal arc voltage compensation function ensures great welding
- IC sourced from top global manufacturers
- When there is no load, inverter switches to sleeping mode
- 100% duty-cycle, high efficiency & energy saving design
- Double roll for responsive and stable wire feeding
- Lightweight & easy to transport

• Specifications

Standard:

- SAW
 - CV/CC mode switch
 - Arc starting current knob
 - Arc voltage compensation knob
- MMA
 - Current knob
 - ARC starting current knob
- O.C & O.H alarm indicator
- Power supply indicator
- Digital meter A/V
- WF-33 tractor
 - Current knob and meter
 - Voltage knob and meter
 - Travel speed knob and meter
 - Direction switch: Forward/Backward
 - Travel mode switch: Manual/Automatic/Stop
 - Inching wire switch: Pull/Push
 - Welding ON/OFF switch
 - Power ON/OFF switch

Optional:

- 3 ph 380/440V MZ1000(M308)
- 3 ph 380/440V MZ1250(M310)



Model/Item	MZ1000 (M308)	MZ1250 (M310)
Rated input current I ₁ (A)	85	85
Rated input capacity S ₁ (KVA)	57	57
Current adjustable range I ₂ (A)	100~1000	100~1000
Rated duty cycle(40°C)	100%	100%
Duty cycle 100% (40°C)	1000A	1000A
Net weight(kg)	115	115
Input voltage(V)	AC380/415/440 ± 15%(3 phases) , 50/60Hz	AC380/415/440 ± 15%(3 phases) , 50/60Hz
No-load voltage U ₀ (V)	79	79
No-load primary current I ₁₀ (V)	< 1	< 1
No-load loss P ₁₀ (W)	< 500	< 500
Voltage adjustable range U ₂ (V)	20~50	20~50
Efficiency η	≥0.85 rate conditions	≥0.85 rate conditions
Power factor λ	≥0.9	≥0.9
Protection class	IP21S	IP21S
Type of cooling	Air cooling	Air cooling
Dimensions (mm,L x W x H)	865x450x820	865x450x820
Specification	Output	100A/ 20V~ 1000A/ 5V
	Duty cycle	10%
Wire feeding speed(m/min)	0.5~2.5	0.5~2.5
Tractor traveling speed (40°C)	0~170	0~170
Others	Preset voltage/current/welding speed, Automatic selection panel & remote control mode, Multi-function: MMA/SAW	



SAW(IGBT) INVERTER WELDER

• Accessories

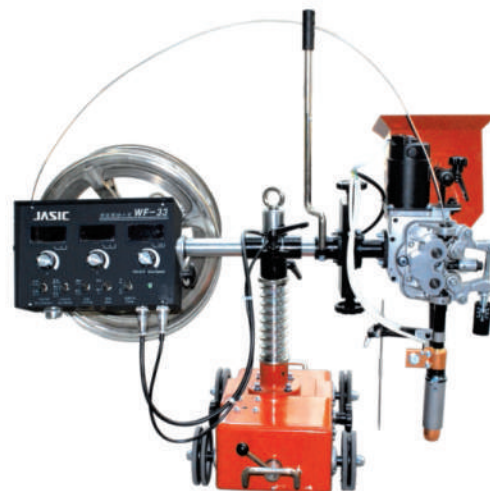


Standard:

- J38: 1 unit WF-33 tractor, 1pcs 15.50m control cable, 1pcs 5m 95mm² earth cable, 1pcs 15m 95mm² welding cable, 2 pcs 300mm*1000mm wheeltrack
- J58/J40: 1 unit WF-33 tractor, 1pc 15.50m control cable, 2 pcs 5m 70mm² earth cable, 2pcs 15m 70mm² welding cable, 2 pcs 300mm*1000mm wheeltrack

Optional:

- Carbon gouging torch
QB-1000 (1.8m, P01058)
QB-800 (1.8m, P01057)
- Welding fluid auto-recycling system
- Various welding tractor
AT-1: horizontal-welding (normal)
WF-33, 3 wire feeding speeds selectable (3m/min, 6m/min, 9m/min)
AT-2: Multioperator SAW welding tractor
AT-3: Light-duty SAW multioperator welding tractor
AT-4: Light-duty SAW welding tractor(gantry type)
AT-5: Fillet SAW welding tractor



AT-1



AT-2



AT-3



AT-4



AT-5

Rated input voltage	110V DC
Welding wire diameter (mm)	MZ630: WF-33, Φ1.6 ~ Φ3.2 MZ1000: WF-33, Φ3.2 ~ Φ5.0 MZ1250: WF-33, Φ3.2 ~ Φ6.0
Welding speed (m/h)	15~72
Contact tip rise and fall (mm)	70
Central column rise and fall (mm)	80
Central column horizontal movement adjustment (mm)	±30
Crossbeam turn around the column	≥ ±90°
Crossbeam stretching distance (mm)	100
Head lift	45°
Head deflection	±45°
Capacity of the wire spool(kg)	Open type: 25 is the standard outfit; Closed type: 15 is the optional outfit. There are differences between the installation supporting axles of them.
Capacity of the flux cup (L)	10
Tractor weight (kg)	50

	Current/Cable section area	1250A	1000A	800A	600A	400A
MZ-630(J38)	70mm ² 1				30m	55m
MZ-1000(J58)	70mm ² 2		45m	55m	65m	75m
	95mm ² 2		60m	75m	85m	100m
MZ-1250(J40)	70mm ² 2	30m	45m	55m	65m	75m
	95mm ² 2	40m	60m	75m	85m	100m

WATER COOLER 9L/8L/4L

• Features

- Uses industry standard auto cooling technique
- Efficient and effective cooling system, independent from inverter cooling system
- High quality metals are used so as to ensure no change in water quality over machine lifetime
- Built-in electronic interference buffer ensures no interference with other electric appliances operating in the vicinity of the water cooler
- Power-saving
- High safety incorporated design. Easy & convenient to maintain

• Specifications



Model	9L	8L	4L
Type	1. Separate 2. Built in for TIG ACDC trolleys	Separate	Built in, for MIG/TIG trolleys
Input voltage (V)	1ph AC 230 or 3ph AC 380		1ph AC 230 or from welder
Rated power (W)	150	150	110
Cooling liquid(L/min)	1.5~5.3	1.5~5.3	1.0~3.0
Max. start pressure (kg/cm ²)	5	5	5
Reservoir volume (L)	9	8	5
Dimensions (mm)	415X220X380	415X220X380	635X330X180
Weight (kg)	18	18	16

FITTINGS

Earth clamp



Electrode holder



MMA Accessory



TIG Accessory



Pedal control



TIG torch



Control



Trolley



Plasma torch



CUT Accessory



MIG/MAG Wire feeder



MIG/MAG Cable



MIG torch



Accessory

