

YOUR WELDING PARTNER



SHOPPING GUIDE



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INVERTER WELDING SYSTEM



ARC WELDER (IGBT Series)

ARC 200 MAX - 1 Phase



polar

Product Description

- Full bridge IGBT inverter design, offering more efficiency, better control
- Friendly interact panel, easy to understand and operate
- Instantaneous ARC start, high penetration and ARC stability
- DC current output, good fit for Acid electrode and Alkaline electrode
- Auto-matching Hot start, ensuring 100% successful rate
- Suitable for long time operation of 2.5mm electrode and 5-6 hours 3.15mm electrode

Model Parameters

Product Description	ARC 200 MAX 1 Phase
Power voltage(V)	AC220V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	24A
No-load Voltage/OCV (V)	56V
Output Current Range(A)	30-200
Rated Output Voltage (V)	28V
Hot Start (A)	10A
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss (W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	IP21
Net weight (kg)	3.8kg
Dimension (mm)	310*145*260



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 6.0	2.0 - 3.2	ARC 200 MAX
Alloy Steel	2.0 - 8.0	2.0 - 3.2	ARC 250 MAX
Stainless Steel	2.0 - 10	2.0 - 4.0	ARC 300 S MAX
	2.0 - 10	2.0 - 4.0	ARC 300 L MAX



ARC WELDER (IGBT Series)

ARC 250 MAX - 1 Phase



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Product Description

- Full bridge IGBT inverter design, offering more efficiency, better control
- Friendly interact panel, easy to understand and operate
- Instantaneous ARC start, high penetration and ARC stability
- DC current output, good fit for Acid electrode and Alkaline electrode
- Auto-matching Hot start, ensuring 100% successful rate
- Suitable for long time operation of 2.5mm electrode and 10-12 hours 3.15mm electrode with 10 meter welding cable

Model Parameters

Product Description	ARC 250 MAX 1 Phase
Power Voltage(V)	AC220V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	30A
No-load Voltage/OCV(V)	56V
Output Current Range(A)	30-250
Rated Output Voltage (V)	30V
Hot Start (A)	10A
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	4 kg
Dimension (mm)	355*155*305



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 6.0	2.0 - 3.2	ARC 200 MAX
Alloy Steel	2.0 - 8.0	2.0 - 3.2	ARC 250 MAX
Stainless Steel	2.0 - 10	2.0 - 4.0	ARC 300 S MAX
	2.0 - 10	2.0 - 4.0	ARC 300 L MAX



ARC WELDER (IGBT Series)

ARC 300S MAX - 1 Phase



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Product Description

- Full bridge IGBT inverter design, offering more efficiency, better control
- Friendly interact panel, easy to understand and operate
- Instantaneous ARC start, high penetration and ARC stability
- DC current output, good fit for Acid electrode and Alkaline electrode
- Auto-matching Hot start, ensuring 100% successful rate
- Suitable for long time operation for upto 3.15mm electrode and 6-8 hours 4 mm electrode

Model Parameters

Product Description	ARC 300S MAX 1 Phase
Power voltage(V)	AC220V±15%
Frequency (HZ)	50/60
Rated input Current (A)	41A
No-load Voltage/OCV(V)	56V
Output Current Range(A)	30-300
Rated Output Voltage (V)	32V
Hot Start (A)	10A
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	4.3kg
Dimension (mm)	355*155*305



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 6.0	2.0 - 3.2	ARC 200 MAX
Alloy Steel	2.0 - 8.0	2.0 - 3.2	ARC 250 MAX
Stainless Steel	2.0 - 10	2.0 - 4.0	ARC 300 S MAX
	2.0 - 10	2.0 - 4.0	ARC 300 L MAX



ARC WELDER (IGBT Series)

ARC 300L MAX - 1 & 2 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Dual voltage technology, friendly performance with generator
- Adjustable ARC force & Hot start, with VRD and Anti-stick function.
- Auto-matching welding parameters
- Auto-compensation function against power supply fluctuation.
- Good fit for 3.15mm & 4.0mm rod
- Suitable for long time operation for upto 3.15mm electrode and 6-8 hours 4 mm electrode

Model Parameters	
Product Description	ARC 300L MAX 1 & 2 Phase
Power voltage(V)	AC220/415±15%
Frequency (HZ)	50/60
Rated input Current (A)	38A
No-load Voltage/OCV(V)	71V
Output Current Range(A)	30-300
Rated output Voltage (V)	32V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	4.6kg
Dimension (mm)	355*155*305



Product Purchase Guide			
Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 6.0	2.0 - 3.2	ARC 200 MAX
Alloy Steel	2.0 - 8.0	2.0 - 3.2	ARC 250 MAX
Stainless Steel	2.0 - 10	2.0 - 4.0	ARC 300 S MAX
	2.0 - 10	2.0 - 4.0	ARC 300 L MAX



ARC WELDER (IGBT Series)

ARC 350S MAX - 1 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Strong power with portable body
- Adjustable ARC force & Hot start, with VRD and Anti-stick function.
- Auto-matching welding parameters
- Auto-compensation function against power supply fluctuation
- Suitable for long time operation of upto 3.15mm electrode and 12 hours 4mm electrode

Model Parameters	
Product Description	ARC 350S MAX 1 Phase
Power Voltage (V)	AC220V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	52
No-load Voltage/OCV(V)	62V
Output Current Range (A)	30-350
Rated Output Voltage (V)	34V
Hot start (A)	1-100A
ARC force (A)	1-10
Duty cycle (%)	60%
No-load loss (W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	8.5kg
Dimension (mm)	400*175*320



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 MAX
Alloy Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 L MAX
Stainless Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 S MAX



ARC WELDER (IGBT Series)

ARC 350L MAX - 1 & 2 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Dual voltage technology, friendly performance with generator
- Adjustable ARC force & Hot start, with VRD and Anti-stick function.
- Auto-matching welding parameters
- Auto-compensation function against power supply fluctuation.
- Suitable for long time operation of upto 3.15mm electrode and 12 hours 4mm electrode

Model Parameters	
Product Description	ARC 350L MAX 1 & 2 Phase
Power Voltage(V)	AC220/415±15%
Frequency (HZ)	50/60
Rated Input Current (A)	41
No-load Voltage/OCV(V)	65V
Output Current Range(A)	30-350
Rated Output Voltage (V)	34V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	6.5kg
Dimension (mm)	400*175*320



Product Purchase Guide			
Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 MAX
Alloy Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 L MAX
Stainless Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 S MAX



ARC WELDER (IGBT Series)

ARC 350 MAX - 3 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Strong power with portable body
- Adjustable ARC force & Hot start, with VRD and Anti-stick function.
- Auto-matching welding parameters
- Auto-compensation function against power supply fluctuation.
- Suitable for long time operation of upto 3.15mm electrode and 12 hours 4mm electrode

Model Parameters

Product Description	ARC 350 MAX 3 Phase
Power voltage (V)	AC415V±15%
Frequency (HZ)	50/60
Rated input current (A)	15
No-load voltage/OCV(V)	65V
Output current range(A)	30-350
Rated output voltage (V)	34V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	85%
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net weight (kg)	8kg
Dimension (mm)	400*175*320



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 MAX
Alloy Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 L MAX
Stainless Steel	2.0 - 16.0	2.0 - 4.0	ARC 350 S MAX



ARC WELDER (IGBT Module Series)

ARC 400 MAX - 3 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Double IGBT module tech, good for harsh and heavy industry application
- Adjustable ARC force & Hot start, with VRD and Anti-stick function
- Auto-matching welding parameters and protection function against power less phase
- Auto-compensation function against power supply fluctuation.
- Suitable for long time operation of upto 4mm electrode with 100 meter cable

Model Parameters

Product Description	ARC 400 MAX 3 Phase
Power Voltage(V)	AC415V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	24
No-Load Voltage/OCV(V)	74V
Output Current Range(A)	30-400
Rated Output Voltage (V)	36V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	80W
Efficiency (%)	85%
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	12kg
Dimension (mm)	480*240*430



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 30.0	2.0 - 4.0	ARC 400 MAX
Alloy Steel	2.0 - 40.0	2.0 - 5.0	ARC 500 MAX
Stainless Steel	2.0 - 60.0	2.0 - 6.3	ARC 630 MAX



Product Description

- Full bridge technology with MCU, LED display
- Full bridge tech with digital display, premium ARC characteristic
- Double IGBT module tech, good for harsh and heavy industry application
- Adjustable ARC force & Hot start, with VRD function.
- Auto-compensation function against power supply fluctuation.
- Suitable for long time operation of upto 5mm electrode with 100 meter cable

Model Parameters

Product Description	ARC 500 MAX 3 Phase
Power Voltage(V)	AC415V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	32
No-Load Voltage/OCV(V)	70V
Output Current Range(A)	30-500
Rated Output Voltage (V)	40V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	80W
Efficiency (%)	85%
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	16kg
Dimension (mm)	480*240*430



Product Purchase Guide

Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 30.0	2.0 - 4.0	ARC 400 MAX
Alloy Steel	2.0 - 40.0	2.0 - 5.0	ARC 500 MAX
Stainless Steel	2.0 - 60.0	2.0 - 6.3	ARC 630 MAX



ARC WELDER (IGBT Module Series)

ARC 630 MAX - 3 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Double IGBT module tech, good for harsh and heavy industry application
- Adjustable ARC force & Hot start, with VRD and Anti-stick function.
- Auto-matching welding parameters and protection function against power less phase
- Auto-compensation function against power supply fluctuation.
- Suitable for long time operation of upto 5mm electrode with 100 meter cable and also for gouging upto 8 mm.

Model Parameters

Product Description	ARC 630 MAX 3 Phase
Power Voltage(V)	AC415V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	45
No-Load Voltage/OCV(V)	70V
Output Current Range(A)	30-630
Rated Output Voltage (V)	45V
Hot Start (A)	1-100A
ARC Force (A)	1-10
Duty Cycle (%)	60%
No-load Loss(W)	80W
Efficiency (%)	85%
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	20kg
Dimension (mm)	540*300*535



Product Purchase Guide

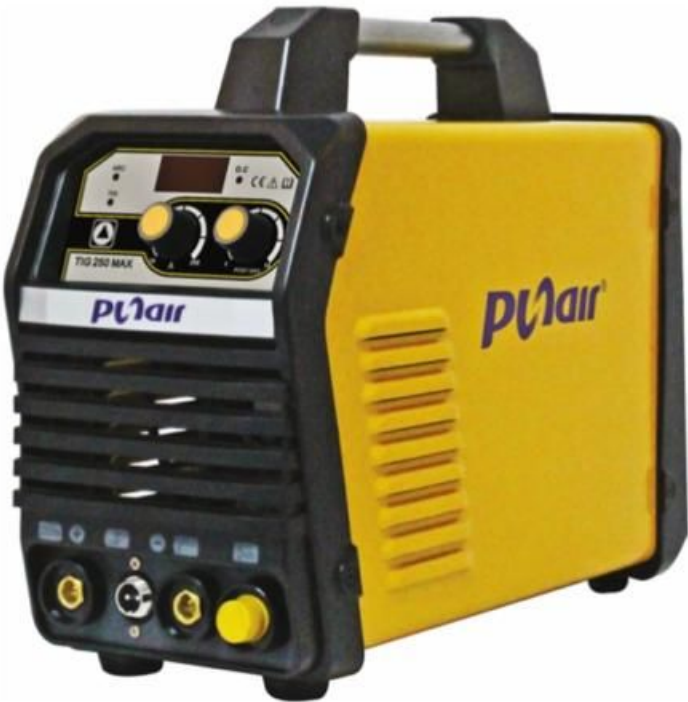
Base Material	Plate Thickness (mm)	Electrode Size (mm)	Applicable Model
Mild Steel	2.0 - 30.0	2.0 - 4.0	ARC 400 MAX
Alloy Steel	2.0 - 40.0	2.0 - 5.0	ARC 500 MAX
Stainless Steel	2.0 - 60.0	2.0 - 6.3	ARC 630 MAX



Product Description

- Full bridge IGBT inverter design, offering more efficiency, better control
- Friendly interact panel, easy to understand and operate
- Instantaneous high pressure ARC start,100% ARC successful rate with high penetration and ARC stability
- Adjustable post gas function to ensure good welding result
- Auto-compensation function against power supply fluctuation and friendly performance against generator

Model Parameters	
Product Description	TIG 250 MAX 1 Phase
Power Voltage (V)	AC220V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	30A
No-load Voltage/OCV(V)	56V
Output Current Range(A)	8-250
Rated Output Voltage (V)	20V
Hot Start (A)	/
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	6.6kg
Dimension (mm)	400*155*305





ARC WELDER (IGBT Series)

MIG 315L MAX - 1, 2 & 3 Phase (Digital Version)



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Product Description

- Full bridge technology with MCU, LED display
- Dual voltage design, wider application field
- Auto-matching parameters with minor adjusting function to have perfect welding result
- With 2T/4T and spot MIG and inductance function
- Support gas GMAW and gas less FCAW function
- ARC function can weld 4.0m rod well
- Suitable for continuous operation of upto 1mm mig wire
- Suitable for Continuous operating of upto 6mm plate

Model Parameters	
Product Description	MIG 315L MAX 1,2, 3 Phase
Power Voltage (V)	AC220V±15%
Frequency (HZ)	50/60
Rated Input Current (A)	38A
No-load Voltage/OCV(V)	65V
Output Current Range(A)	30-315
Rated Output Voltage (V)	30V
Hot Start (A)	/
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	40W
Efficiency (%)	≥80%
Power Factor	0.73
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	11kg
Dimension (mm)	480*215*355





Product Description

- Premium arc performance with excellent arc stability in full bridge inverter technology and double module technology
- Controlled by electronic reactor, welding performance is stable. Little spatter, deep welding penetration, good welding bead.
- Closed circuit feedback, constant Voltage output fits for wide voltage range ($\pm 15\%$)
- Friendly interface with LED display, easy to understand and operate, ensuring to achieve welding job without trouble.
- High duty circle, be able to withstand long time high load welding.
- Suitable for continuous operation of upto 1.2 mm mig wire

Model Parameters	
Product Description	MIG 400 MAX 3 Phase
Power Voltage (V)	AC415V $\pm 15\%$
Frequency (HZ)	50/60
Rated Input Current (A)	32A
No-load Voltage/OCV(V)	74V
Output Current Range(A)	50-400
Rated Output Voltage (V)	34V
Hot Start (A)	/
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	80W
Efficiency (%)	$\geq 85\%$
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	27kg
Dimension (mm)	620*300*515





Product Description

- Premium arc performance with excellent arc stability in full bridge inverter technology and double module technology
- Controlled by electronic reactor, welding performance is stable. Little spatter, deep welding penetration, good welding bead.
- Closed circuit feedback, constant Voltage output fits for wide voltage range($\pm 15\%$)
- Friendly interface with LED display, easy to understand and operate, ensuring to achieve welding job without trouble.
- High duty circle, be able to withstand long time high load welding.
- Suitable for continuous operation of upto 1.6mm mig wire

Model Parameters

Product Description	MIG 630 MAX 3 Phase
Power Voltage (V)	AC415V $\pm 15\%$
Frequency (HZ)	50/60
Rated Input Current (A)	41A
No-load Voltage/OCV(V)	74V
Output Current Range(A)	70-630
Rated Output Voltage (V)	46V
Hot Start (A)	/
ARC Force (A)	/
Duty Cycle (%)	60%
No-load Loss(W)	80W
Efficiency (%)	$\geq 85\%$
Power Factor	0.93
Insulation Grade	F
Housing Protection Grade	Ip21
Net Weight (kg)	30kg
Dimension (mm)	620*300*515

