



# ARC-315E

## IGBT DC INVERTER

ARC315E is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sap
- Dust-free cooling system with upgraded duty
- With advanced IGBT TUBE technology

### Key Components

- IGBT TUBE 25N120 4PCS
- Quick recovery 6030 3PCS

### Technical Specifications

Item	ARC-315E
Specs	MMA
Rated input voltage	AC220V/380V
Output current	160A
OCV (V)	70
Efficiency %	80
Protection class	F
Insulation class	IP21
Weight (kg )	4.1
Number of packages	*4
Dimension (mm )	300*155*250
Packing box	365*195*305



# ARC-315A

## IGBT DC INVERTER

ARC315A is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### 1 Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT TUBE technology

### Key Components

- IGBT TUBE 40N120 4PCS
- Quick recovery 6030 4PCS

### Technical Specifications

Item	ARC-315A
Specs	MMA
Rated input voltage	AC220V/380V
Output current	180A
OCV (V)	70
Efficiency %	80
Protection class	F
Insulation class	IP21
Weight (kg )	5.4
Number of packages	*4
Dimension (mm )	330*165*315
Packing box	385*205*337



# ARC-400B

## IGBT DC INVERTER

ARC400B is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Components

- IGBT TUBE 40N120 4PCS
- Quick recovery 6030 5PCS

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT TUBE technology

### Technical Specifications

Item	ARC-400B
Specs	MMA
Rated input voltage	AC230V/415V
Output current	200A
OCV (V)	70
Efficiency %	80
Protection class	F
Insulation class	IP21
Weight (kg )	6.6
Number of packages	*1
Dimension (mm )	355*180*350
Packing box	410*230*385



## ARC-400A

### IGBT DC INVERTER

ARC400A is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### 1 Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT TUBE technology

### Key Components

- IGBT TUBE 40N120 4PCS
- Quick recovery 6030 5PCS

### Technical Specifications

Item	ARC-400A
Specs	MMA
Rated input voltage	AC230V/415V
Output current	200A-250A
OCV (V)	70
Efficiency %	80
Protection class	F
Insulation class	IP21
Weight (kg )	10.6
Number of packages	*1
Dimension (mm )	405*205*385
Packing box	460*270*420



# ARC-400

## Industrial-grade manual welding machine

ARC400 is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### 1 Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT module technology

### Key Components

- IGBT module 75A/1200V 2PCS
- Rectifier module 50A/1200V 1PCS

### Technical Specifications

Item	ARC-400
Specs	MMA
Rated input voltage/frequency (Hz)	3P~415±15% 50/60
Rated input power capacity(KVA)	20
Rated input current(A)	32
No-load voltage(V)	75
Current adjustment range ( A )	20-400
Protection class	F
Insulation class	IP21
Weight (kg )	19
Number of packages	*1
Dimension (mm )	515*270*465
Packing box	590*340*520



# ARC-500

## Industrial-grade manual welding machine

ARC500 is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### 1 Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT module technology

### Key Components

- IGBT module 100A/1200V 2PCS
- Rectifier module 75A/1200V 1PCS

### Technical Specifications

Item	ARC-500
Specs	MMA
Rated input voltage/frequency (Hz)	3P~415±15% 50/60
Output voltage(v)	22.5
Rated input current(A)	35
No-load voltage(V)	75
Current adjustment range ( A )	40-450
Protection class	F
Insulation class	IP21
Weight (kg )	25
Number of packages	*1
Dimension (mm )	570*290*555
Packing box	600*340*600



# ARC-630

## Industrial-grade manual welding machine

ARC630 is versatile and can be adapted to various welding scenarios, making it the mainstream choice for basic welding equipment. Depending on manually holding the welding tongs to deliver the welding wire, it can cope with the welding of complex joints, narrow spaces, or irregularly shaped parts.

### 1 Applications

- Education
- Maintenance, Repair
- Farm, Ranch
- Fabrication
- Construction
- Steel Erection

### Key Highlights

- Digital meter to preset and display welding current.
- ARC-force for anti-sticking
- VRD function
- Outstanding arc stability with low sapt
- Dust-free cooling system with upgraded duty
- With advanced IGBT module technology

### Key Components

- IGBT module 100A/1200V 2PCS
- Rectifier module 100A/1200V 1PCS

### Technical Specifications

Item	ARC-630
Specs	MMA
Rated input voltage/frequency (Hz)	3P~415±15% 50/60
Output voltage(v)	24.5
Rated input current(A)	38
No-load voltage(V)	80
Current adjustment range ( A )	20-500
Protection class	F
Insulation class	IP21
Weight (kg )	35.5
Number of packages	*1
Dimension (mm )	655*315*610
Packing box	690*360*655



# MIG-400

## Multi-function, NO gas/gas MIG/MAG/ MMA 15-20KG wire feeder separate type

MIG 400 is a modern, energy-efficient inverter power source that ensures smooth and regulated welding power output. Reliable arc ignition and productive welding arc characteristics with CO<sub>2</sub> or mixed gas, regardless of mains voltage fluctuations, improve weld quality and reduce unnecessary rework costs.

### Applications

- Medium and heavy metal fabrication
- Shipyards
- Offshore industry
- Repair applications

### Key Components

- IGBT module 75A/1200V 2PCS
- Rectifier module 200A/1200V 2PCS

### Key Highlights

- Inverter-based(IGBT) multi-process welding machine for MIG/MAG and MMA applications
- Simple parameter setting either from the source of the wire feeder
- Digital display of current and voltage
- Soft switching IGBT Module tech, software controlled
- Waveform control technology, fewer spatters and shaping well, excellent performance
- 2T/4T Operation: 2T is suitable for spot welding and simple work, 4T is fit for continuous long-term welding

### Technical Specifications

Item	MIG400	
Specs	MIG	MMA
Rated input voltage/frequency (Hz)	AC415±15% 50/60	AC415±15% 50/60
Output voltage(V)	17-32	21.6-34
Rated input current (A)	24	25.8
OCV (V)	75	75
Output current range (A)	60-400	40-400
Efficiency %	80	
Protection class	F	
Insulation class	IP21	
Weight (kg )	22	
Dimension (mm )	515*270*465	



# MIG-500

## Multi-function, NO gas/gas MIG/MAG/MMA 15-20KG wire feeder separate type

MIG 500 is a modern, energy-efficient inverter power source that ensures smooth and regulated welding power output. Reliable arc ignition and productive welding arc characteristics with CO<sub>2</sub> or mixed gas, regardless of mains voltage fluctuations, improve weld quality and reduce unnecessary rework costs.

### ★ Key Highlights

- Inverter-based(IGBT) multi-process welding machine for MIG/MAG and MMA applications
- Simple parameter setting either from the source of the wire feeder
- Digital display of current and voltage
- Soft switching IGBT Module tech, software controlled
- Waveform control technology, fewer spatters and shaping well, excellent performance
- 2T/4T Operation: 2T is suitable for spot welding and simple work, 4T is fit for continuous long-term welding

### Applications

- Medium and heavy metal fabrication
- Shipyards
- Offshore industry
- Repair applications

### Key Components

- IGBT module 100A/1200V 2PCS
- Rectifier module 200A/1200V 2PCS

### Technical Specifications

Item	MIG-500	
Specs	MIG	MMA
Rated input voltage/frequency (Hz)	AC415±15% 50/60	AC415±15% 50/60
Output voltage(V)	17-40	21.6-40
Rated input current (A)	24	25.8
OCV (V)	75	75
Output current range (A)	60-450	40-450
Efficiency %	80	
Protection class	F	
Insulation class	IP21	
Weight (kg )	30	
Dimension (mm )	570*290*570	



## MIG-630

### Multi-function, NO gas/gas MIG/MAG/ MMA 15-20KG wire feeder separate type

MIG 630 is a modern, energy-efficient inverter power source that ensures smooth and regulated welding power output. Reliable arc ignition and productive welding arc characteristics with CO<sub>2</sub> or mixed gas, regardless of mains voltage fluctuations, improve weld quality and reduce unnecessary rework costs.

### 1 Applications

- Medium and heavy metal fabrication
- Shipyards
- Offshore industry
- Repair applications

### Key Components

- IGBT module 100A/1200V 2PCS
- Rectifier module 200A/1200V 3PCS

### Key Highlights

- Inverter-based(IGBT) multi-process welding machine for MIG/MAG and MMA applications
- Simple parameter setting either from the source of the wire feeder
- Digital display of current and voltage
- Soft switching IGBT Module tech, software controlled
- Waveform control technology, fewer spatters and shaping well, excellent performance
- 2T/4T Operation: 2T is suitable for spot welding and simple work, 4T is fit for continuous long-term welding

### 2 Technical Specifications

Item	MIG630	
Specs	MIG	MMA
Rated input voltage/frequency (Hz)	AC415±15% 50/60	AC415±15% 50/60
Output voltage(V)	17-50	22.4-50
Rated input current (A)	31.2	31.8
OCV (V)	75	75
Output current range (A)	60-500	50-500
Efficiency %	80	
Protection class	F	
Insulation class	IP21	
Weight (kg )	43	
Dimension (mm )	655*315*610	