



SONSCN

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SONSCN

YONGKANG SONGSHI TECHNOLOGY CO., LTD

**INVERTER DC
WELDER**

We Are Committed For Global Users
To Providing Quality Inverter Welding
Machines Over 20 Years

<http://www.sonscn.com>
<http://www.chinasonscn.com>



ABOUT SONGSHI

Yongkang Songshi Technology CO., LTD was founded in 2002, which is located in beautiful Yongkang City, Zhejiang Province, China. We are a hi-tech enterprise integrating the researching, developing, manufacturing, testing, selling and after sale's service of welding machines. SONGSHI is specialized in manufacturing electric inverter welding machines, circuit boards, jump starters, UPS etc. The main series of the electric welders are MMA,TIG and MIG/MAG etc. All the products are sold to over 20 countries in regions, such as Europe, Russia, Australia, Middle East, Asia, Brazil, North America and South America.

SONGSHI has large scale production based with total 3 area of construction area, 3200 grand meters. Includes professional production line, module making, researching, testing and assembling lines. The production capacity almost in 400,000 pcs one year.

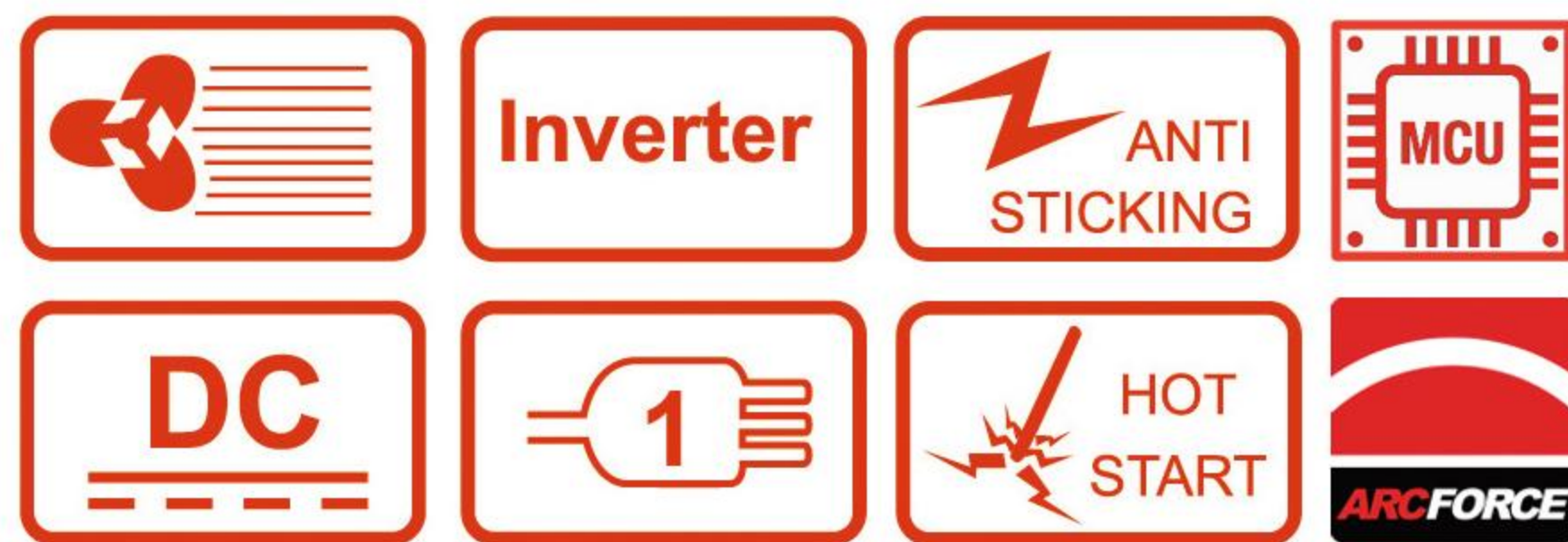
We have the certification such as CE, CCC for our products. After years of development ,production, quality control, fund operation, market planning and customer services, we have won favorable comments from customers by virtue of excellent quality, good sales channels and reliable after-sales service .Based on the principle of "Honesty and Innovation", SONGSHI provides clients with better quality and better service .Warmly welcome new and old customers from all over the world to contact us for future business relationships and achieving mutual success. Welcome to visit us !





ARC120mini/ARC140mini/ARC160mini

1. IGBT Inverter tech, small, light, portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 3.2mm(1/8') or 4.0mm(5/32') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load, over heat, over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work, upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

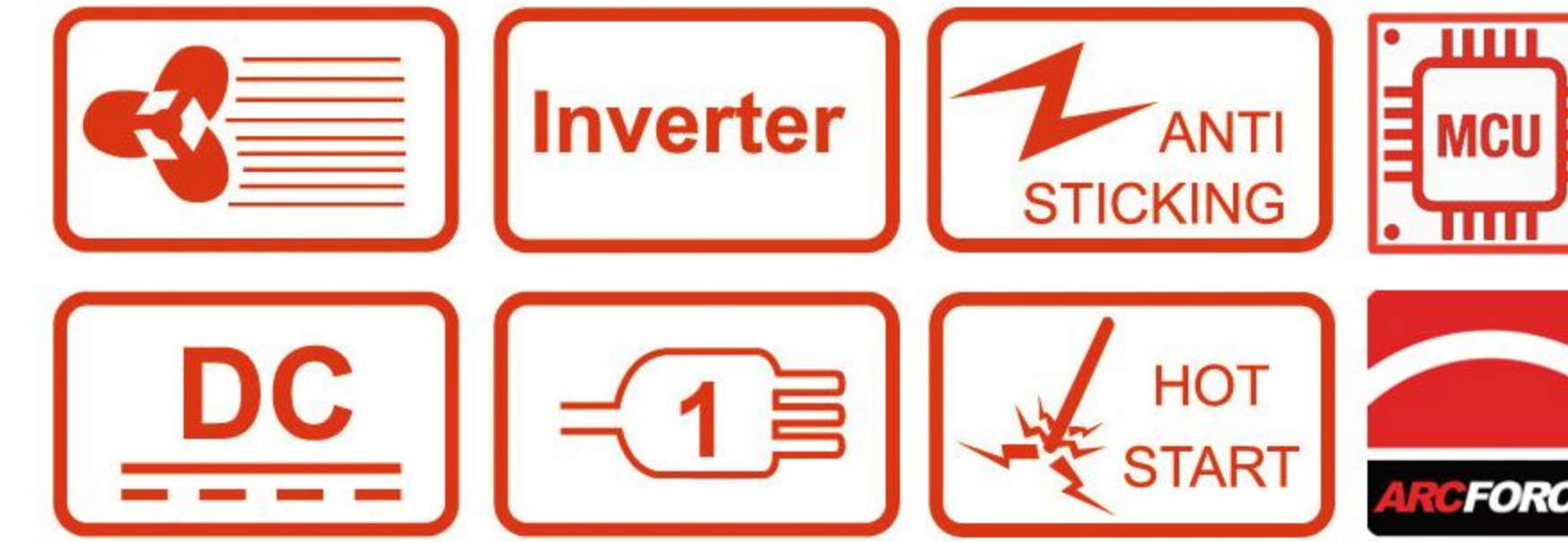


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120mini	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	2.5kgs	22*9*15
ARC140mini	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	2.8kgs	22*9*15
ARC160mini	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-160A	60%	1.5-4mm (5/32')	3.2kgs	22*9*15



MMA WELDER TYPE: SD

1. IGBT Inverter tech, small, light, portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 3.2mm(1/8') or 4.0mm(5/32') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load, over heat, over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work, upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

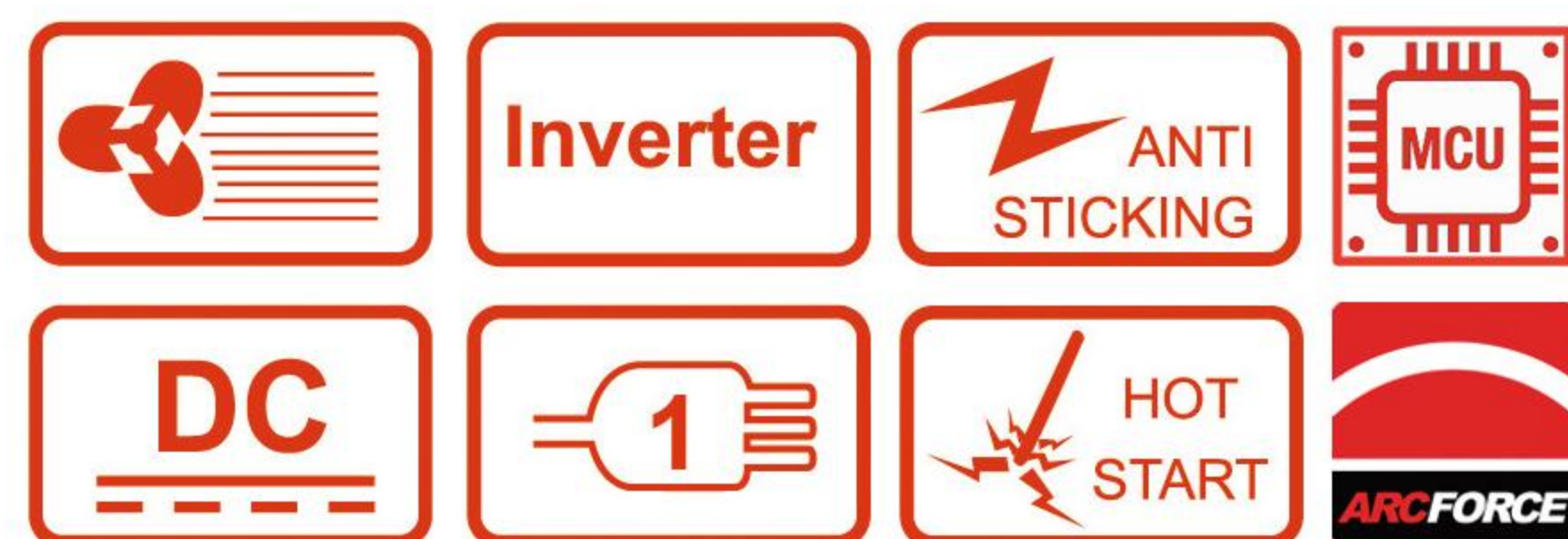


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC140SD	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	3.2kgs	23*10*14.5
ARC160SD	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.4kgs	23*10*14.5
ARC180SD	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4mm (5/32')	3.8kgs	23*10*14.5
ARC200SD	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-4mm (5/32')	4.2kgs	25*11.5*18



MMA WELDER TYPE: T

1. IGBT Inverter tech, small, light, portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load,over heat,over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work, upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

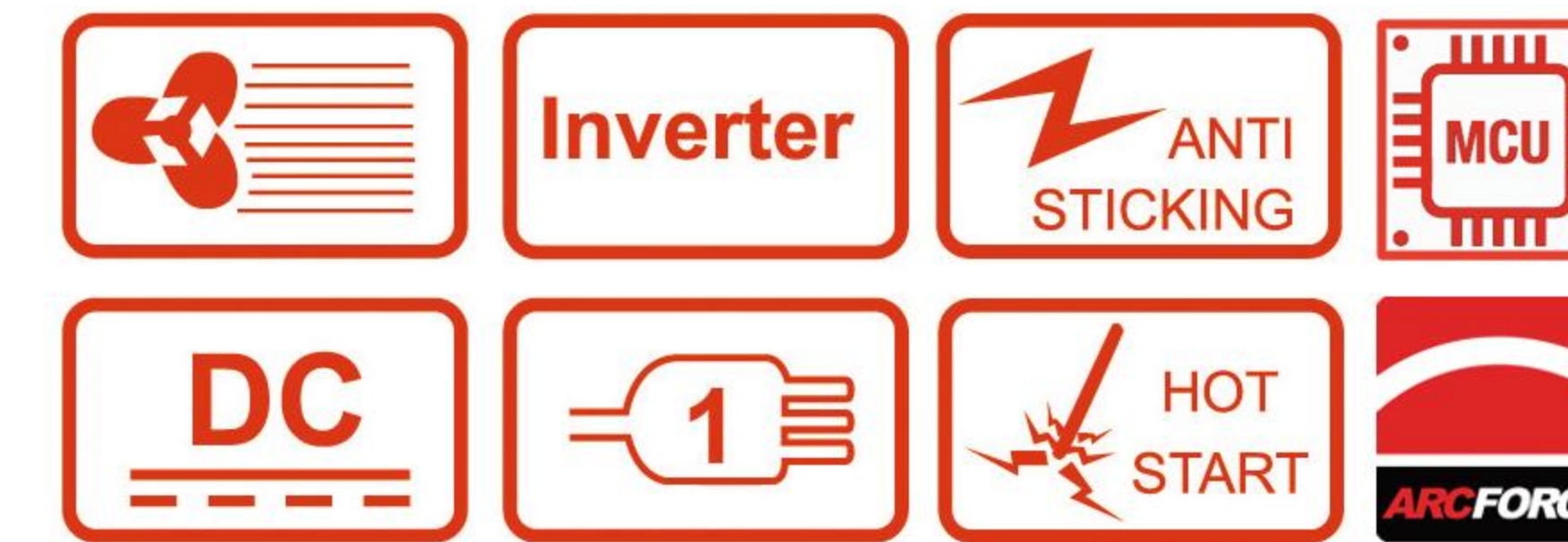


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	2.8kgs	28*11*17.5
ARC140	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.0kgs	28*11*17.5
ARC160	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4.0mm (5/32')	3.6kgs	28*11*17.5
ARC180	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.0kgs	31*13*21
ARC200	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	31*13*21



MMA WELDER TYPE: P

1. IGBT Inverter tech, small, light, portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load,over heat,over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work, upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

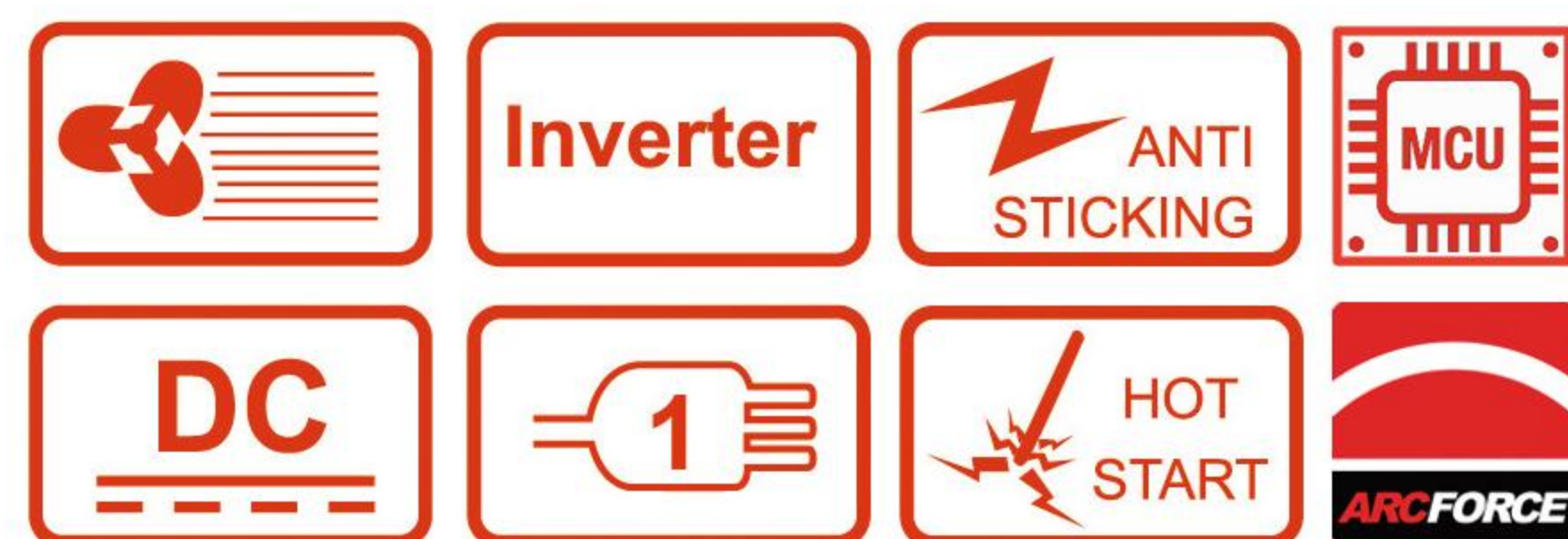


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120P	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	3.0kgs	31*13*21
ARC140P	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.2kgs	31*13*21
ARC160P	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4mm (5/32')	3.8kgs	31*13*21
ARC180P	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.2kgs	31*13*21
ARC200P	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	31*13*21



MMA WELDER TYPE: B

1. IGBT Inverter tech, small, light, portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load,over heat,over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work,upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

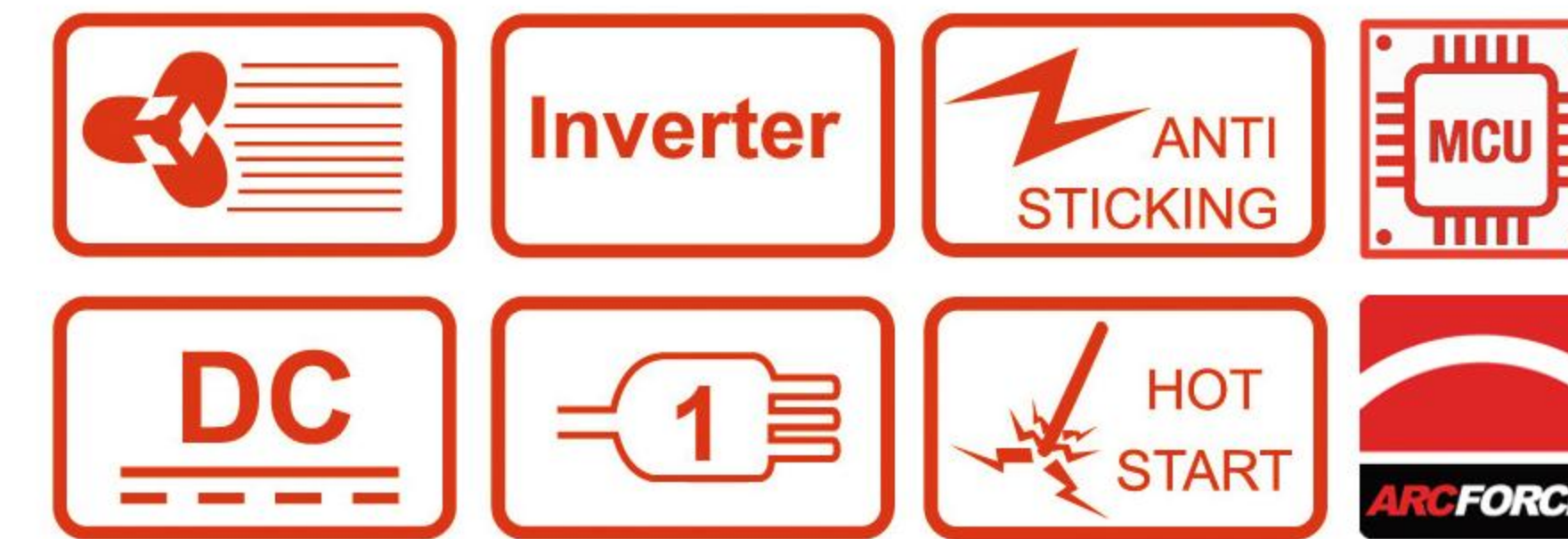


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120B	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	2.8kgs	28*13.3*19
ARC140B	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.0kgs	28*13.3*19
ARC160B	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4.0mm (5/32')	3.6kgs	31.5*13.3*22
ARC180B	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.0kgs	31.5*13.3*22
ARC200B	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	31.5*13.3*22



MMA WELDER TYPE: L

1. **Synergy mode** IGBT Inverter tech, small,light,portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load,over heat,over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work,upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

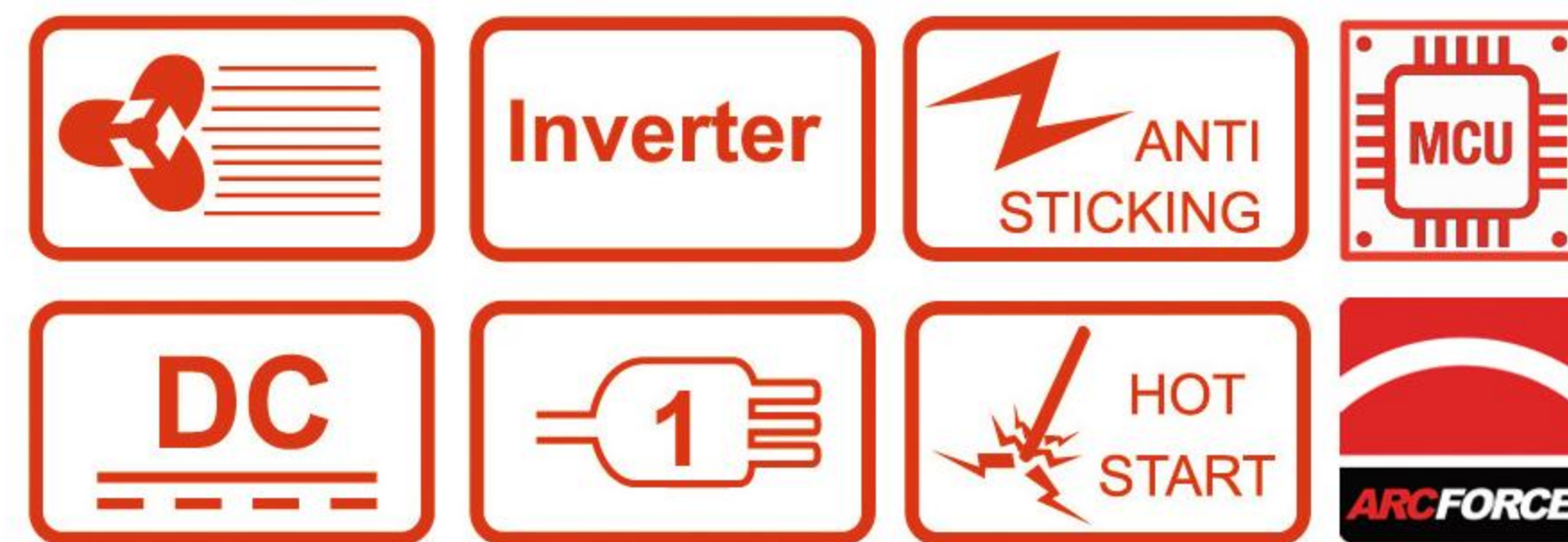


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120L	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	3.0kgs	28*12.5*19
ARC140L	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.2kgs	28*12.5*19
ARC160L	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4mm (5/32')	3.8kgs	31*13.5*20
ARC180L	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.2kgs	31*13.5*20
ARC200L	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	31*13.5*20



MMA WELDER TYPE: W

1. IGBT Inverter tech, small,light,portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. Available to work on the Min 0.8mm workpiece.
10. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
11. Automatic protection against over load,over heat,over or too low voltage and short circuit.
12. Lift Tig integrated-TIG welding can also be performed.
13. Suitable for small scale construction work,upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush

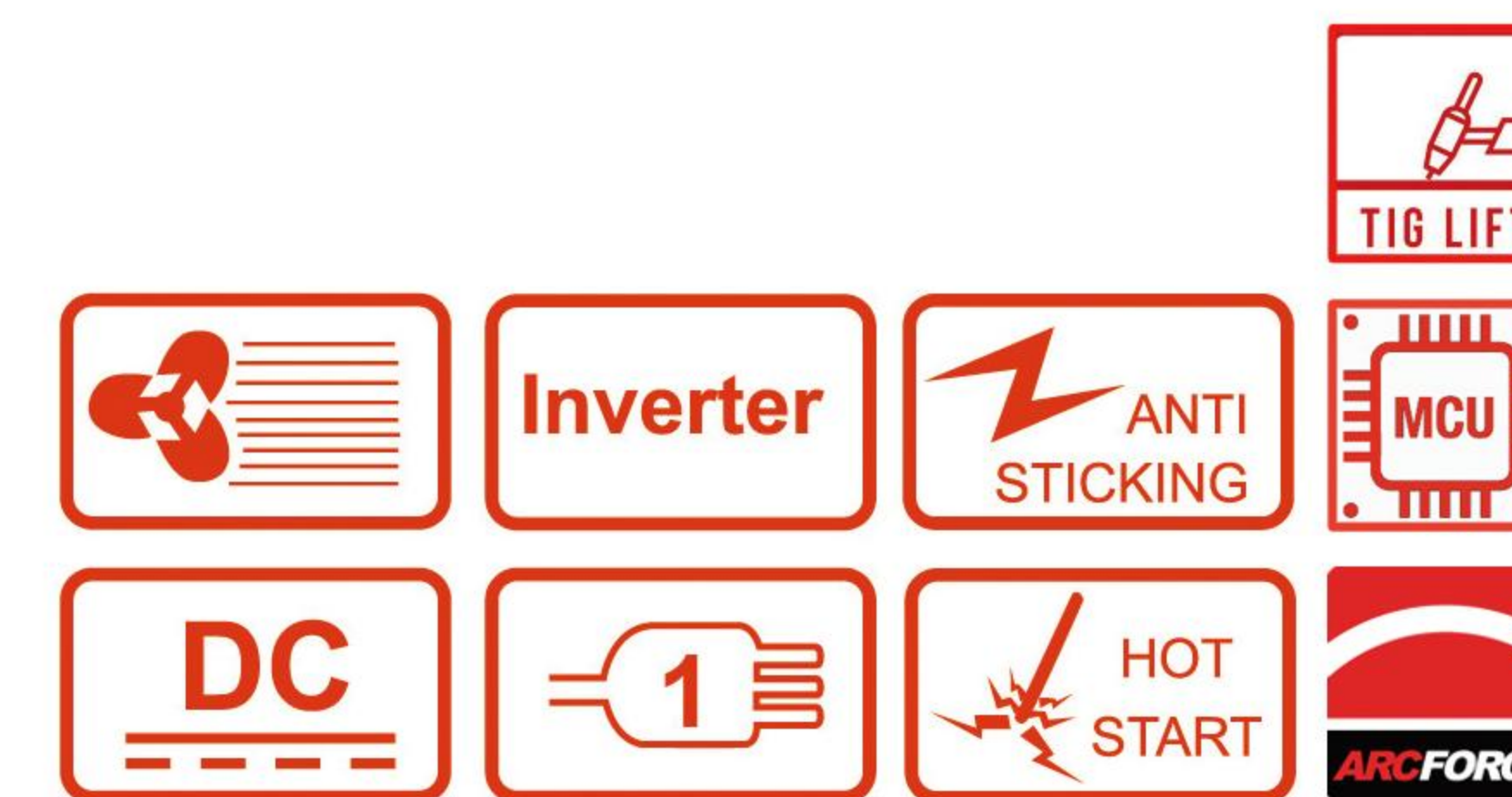


Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120W	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	2.8kgs	25*13*20
ARC140W	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.0kgs	25*13*20
ARC160W	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4.0mm (5/32')	3.6kgs	25*13*20
ARC180W	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.0kgs	36*14*23
ARC200W	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	36*14*23



MMA WELDER TYPE: K

1. IGBT Inverter tech, small,light,portable.
2. MCU Smart control -High consistency of stable performance.
3. Wide working input range 155-265V(1ph) 50/60HZ.
4. Friendly work on generator.
5. Solder up to 1.6mm(1/16') to 5.0mm(3/16') electrodes.
6. Hot start: **amazing easy arc strike** once touch the workpiece.
7. Anti-stick electrodes- Easy the electrode removal from workpiece.
8. Arc Force Integrated: Provide smoother welding and deeper penetration.
9. VRD function -- Safe for welders.
10. Available to work on the Min 0.8mm workpiece.
11. Allows solder in E7018,E6010,E6011,E6013,E308 and generally all type electrodes.
12. Automatic protection against over load,over heat,over or too low voltage and short circuit.
13. Excellent Lift-arc TIG function.
14. Suitable for small scale construction work,upholster industry, highly altitude, field operation, repairing and the home handyman.



Standard accessories:

- Electrode holder with cable
- Earth clamp with cable



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush



Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120K	230V±10% 50/60hz(1ph)	75V	85%	5.5KVA	30-120A	60%	1.5-3.2mm (1/8')	3.0kgs	25*10.5*16
ARC140K	230V±10% 50/60hz(1ph)	75V	85%	6.1KVA	30-140A	60%	1.5-3.2mm (1/8')	3.2kgs	25*10.5*16
ARC160K	230V±10% 50/60hz(1ph)	75V	85%	6.9KVA	30-160A	60%	1.5-4mm (5/32')	3.8kgs	25*10.5*16
ARC180K	230V±10% 50/60hz(1ph)	75V	85%	8.2KVA	30-180A	60%	1.5-5mm (3/16')	4.2kgs	31*13*20
ARC200K	230V±10% 50/60hz(1ph)	75V	85%	9.6KVA	30-200A	60%	1.5-5mm (3/16')	4.5kgs	31*13*20



**Bi-voltage 160 ~110/220V
Outstanding features**

1. Advanced IGBT inverter tech, Small, light, portable.
2. Wide working input range 100-260V 1ph.
3. Friendly work on generator.
4. Axial ventilation.
5. Solder up to 3.2mm(1/8 ")electrodes.
6. 60% work duty cycle of max output at 25 degree.
7. Hot start: **amazing easy arc strike** once touch the workpiece.
8. Anti-stick electrode
9. Arc force Integrated: Current auto-increase when arc length is too short.
10. Allows solder in rutile, basic, stainless and cellulose electrodes 7018, 6010, 6011, 6013 etc.
11. DC lift TIG Integrated: No need switch.
12. Automatic protection when over load,over heat,over or too low voltage.
13. You can get good results with the mild steel,carbon steel, alloy steel carbon, stainless steel and some non-ferrous metals.

MODEL: Bi-voltage 160

Input voltage	~110/220V 1ph
Frequency	50HZ/60HZ
Input current	38/24A
Input power	5.2KVA
No-load voltage	75V
Output voltage	25.2V
Output current 220V	10-130A
Output current 110V	10-110A
Duty cycle	60%
Type Pilot Arc	Stick arc
Efficiency	85%
Suitable electrode	Up to 3.2mm(1/8')
Insulation category	H
Protection category	IP21S
Cooling condition	Axial ventilation
Weight	2.8kgs
Dimension	22*9*15cm

Standard accessories:

Electrode holder with cables (1.5meter) approx.
Earth clamp with cables (1 meter) approx.



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush



**Bi-voltage 200 ~110/220V
Outstanding features**

1. Advanced IGBT inverter tech, Small, light, portable.
2. Wide working input range 100-260V 1ph.
3. Friendly work on generator.
4. Axial ventilation.
5. Solder up to 4.0mm(5/32 ")electrodes.
6. 60% work duty cycle of max output at 25 degree.
7. Hot start: **amazing easy arc strike** once touch the workpiece.
8. Anti-stick electrode.
9. Arc force Integrated: Current auto-increase when arc length is too short.
10. Allows solder in rutile, basic, stainless and cellulose electrodes 7018, 6010, 6011, 6013 etc.
11. DC lift TIG Integrated: No need switch.
12. Automatic protection when over load,over heat,over or too low voltage.
13. You can get good results with the mild steel,carbon steel, alloy steel carbon, stainless steel and some non-ferrous metals.

MODEL: Bi-voltage 200

Input voltage	~110/220V 1ph
Frequency	50HZ/60HZ
Input current	42/30A
Input power	6.6KVA
No-load voltage	75V
Output voltage	26.4V
Output current 220V	10-160A
Output current 110V	10-120A
Duty cycle	60%
Type Pilot Arc	Stick arc
Efficiency	85%
Suitable electrode	Up to 4.0mm(5/32')
Insulation category	H
Protection category	IP21S
Cooling condition	Axial ventilation
Weight	4.0kgs
Dimension	31*13*21cm

Standard accessories:

Electrode holder with cables (2meter) approx.
Earth clamp with cables (1.5 meter) approx.



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush





Bi-voltage 160 ~110/220V
Outstanding features

1. Advanced IGBT inverter tech, Small, light, portable.
2. Wide working input range 100-260V 1ph.
3. Friendly work on generator.
4. Axial ventilation.
5. Solder up to 4.0mm(5/32 ")electrodes.
6. 60% work duty cycle of max output at 25 degree.
7. Hot start: **amazing easy arc strike** once touch the workpiece.
8. Anti-stick electrode.
9. Arc force Integrated: Current auto-increase when arc length is too short.
10. Allows solder in rutile, basic, stainless and cellulose electrodes 7018, 6010, 6011, 6013 etc.
11. DC lift TIG Integrated: No need switch.
12. Automatic protection when over load,over heat,over or too low voltage.
13. You can get good results with the mild steel,carbon steel, alloy steel carbon, stainless steel and some non-ferrous metals.

MODEL: Bi-voltage 160

Input voltage	~110/220V 1ph
Frequency	50HZ/60HZ
Input current	42/30A
Input power	6.6KVA
No-load voltage	75V
Output voltage	26.4V
Output current 220V	10-160A
Output current 110V	10-120A
Duty cycle	60%
Type Pilot Arc	Stick arc
Efficiency	85%
Suitable electrode	Up to 4.0mm(1/8')
Insulation category	H
Protection category	IP21S
Cooling condition	Axial ventilation
Weight	4kgs
Dimension	31.5*13.3*22cm

Standard accessories:

Electrode holder with cables (2meter) approx.
Earth clamp with cables (1.5 meter) approx.



Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush



Bi-voltage 200 ~110/220V
Outstanding features

1. Advanced IGBT inverter tech, Small, light, portable.
2. Wide working input range 100-260V 1ph.
3. Friendly work on generator.
4. Axial ventilation.
5. Solder up to 5.0mm(3/16 ")electrodes.
6. 60% work duty cycle of max output at 25 degree.
7. Hot start: **amazing easy arc strike** once touch the workpiece.
8. Anti-stick electrode.
9. Arc force Integrated: Current auto-increase when arc length is too short.
10. Allows solder in rutile, basic, stainless and cellulose electrodes 7018, 6010, 6011, 6013 etc.
11. DC lift TIG Integrated: No need switch.
12. Automatic protection when over load,over heat,over or too low voltage.
13. You can get good results with the mild steel,carbon steel, alloy steel carbon, stainless steel and some non-ferrous metals.

MODEL: Bi-voltage 200

Input voltage	~110/220V 1ph
Frequency	50HZ/60HZ
Input current	45/40A
Input power	9.2KVA
No-load voltage	75V
Output voltage	28V
Output current 220V	10-200A
Output current 110V	10-130A
Duty cycle	60%
Type Pilot Arc	Stick arc
Efficiency	85%
Suitable electrode	Up to 5.0mm(5/32')
Insulation category	H
Protection category	IP21S
Cooling condition	Axial ventilation
Weight	4.5kgs
Dimension	35*14*23cm

Standard accessories:

Electrode holder with cables (2meter) approx.
Earth clamp with cables (1.5 meter) approx.



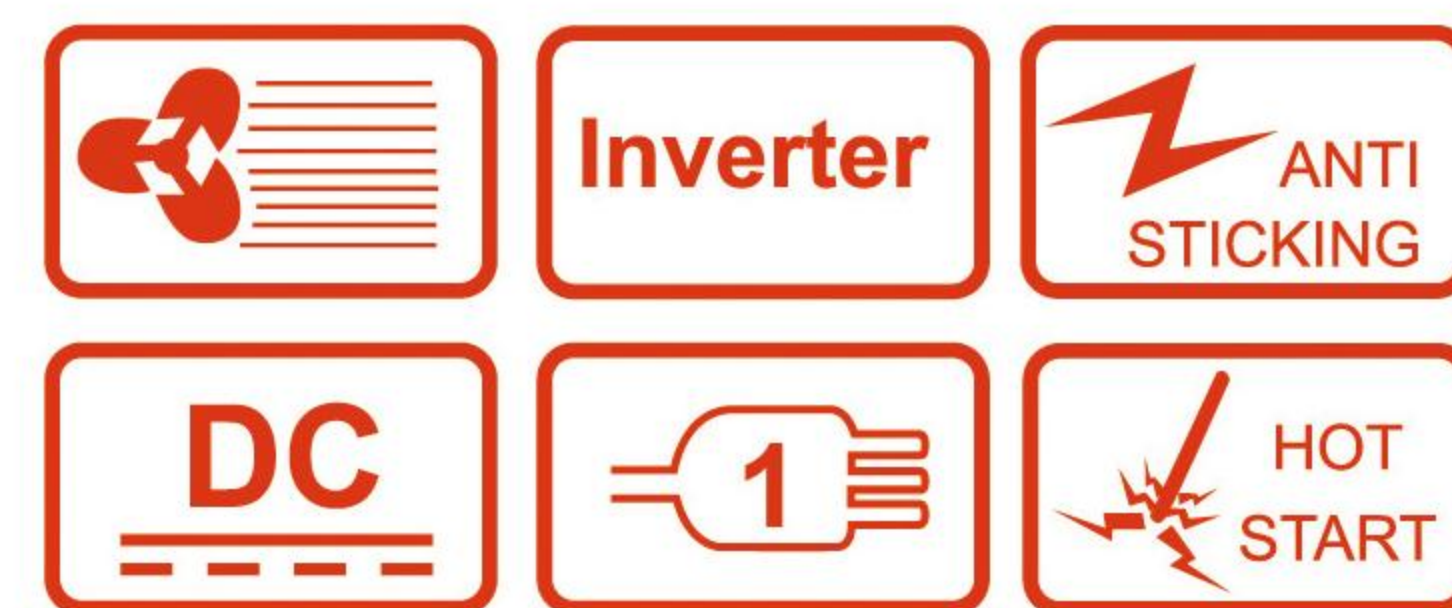
Optional accessories:

- Plastic tool box
- Welding mask
- Wire brush



ARC---130HD/140HD/160HD/180HD/200HD

- Advanced IGBT inverter and PWM control technology, small, light, portable.
- Wide working voltage range, automatic self balancing ability when voltage is wavering.
- Advanced hot start and anti-stick function, stable arc, little splash and low noise.
- Auto protection when over heat, over current and over load.
- Applicable to various electrodes: rutile, basic, stainless steel and cast iron.
- Suitable for small scale construction work, upholster industry, high altitude,field operation, repairing and the home handyman.



Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
ARC120HD	230V±10% 50/60hz(1ph)	80V	85%	5.5KVA	30-120A	60%	1.5-3.2mm	3.8kgs	28*12*20
ARC140HD	230V±10% 50/60hz(1ph)	80V	85%	6.1KVA	30-140A	60%	1.5-3.2mm	4.0kgs	28*12*20
ARC160HD	230V±10% 50/60hz(1ph)	80V	85%	6.9KVA	30-160A	60%	1.5-4mm	4.2kgs	28*12*20
ARC180HD	230V±10% 50/60hz(1ph)	80V	85%	8.2KVA	30-180A	60%	1.5-4mm	5kgs	39*17*28
ARC200HD	230V±10% 50/60hz(1ph)	80V	85%	9.6KVA	30-200A	60%	1.5-5mm	5.5kgs	39*17*28

MMA315/MMA400

- Advanced IGBT inverter and PWM control technology, small, light, portable.
- Wide working voltage range, automatic self balancing ability when voltage is wavering.
- Advanced hot start and anti-stick function, stable arc, little splash and low noise.
- Auto protection when over heat, over current and over load.
- Applicable to various electrodes: rutile, basic, stainless steel and cast iron.
- Suitable for small scale construction work.



Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
MMA315	415V(3ph)	80V	85%	12kw	30-315A	60%	1.5-6mm	12kg	46.8*24.8*35
MMA400	415V(3ph)	80V	85%	13.2kw	30-400A	60%	1.5-6mm	12kg	46.8*24.8*35

TIG& MMA---160/200

- Advanced IGBT inverter and PWM control technology, small, light, portable.
- Possibility of high frequency HF or LIFT arc striking.
- Wide working voltage range, automatic self balancing ability when voltage is wavering.
- Advanced arc force, hot start and anti-stick function.
- Auto protection when over heat, over current and over load.
- MMA electrodes: rutile, basic ,stainless steel and cast iron.
- Use with a wide range of materials such as steel, stainless steel, aluminum, titanium, copper, nickel, magnesium and their Alloys.



Model	Input voltage	No-load voltage	Efficiency	Input Power	Output Current	Duty Cycle	Welding Rod	Weight	Dimensions (cm)
TIG/MMA160	230V±10% 50/60hz(1ph)	80V	85%	6.9KVA	30-160A	60%	1.5- 4mm	7.5kg	39*17*28
TIG/MMA200	230V±10% 50/60hz(1ph)	80V	85%	9.6KVA	30- 200A	60%	1.5-5mm	8kg	39*17*28

MIG/TIG/MMA-120

- Advanced IGBT inverter and PWM control technology, small, light, portable.
- Multifunction of 4 in 1 welding machine (MIG/Wireless MIG/LIFT TIG/MMA).
- Single PCB inverter MIG welder, High rated duty cycle with high efficiency.
- Little Welding spatter, deep welding pool, beautiful welding seam.



Item	Input voltage	Rated input current	No-load voltage	Current Range	Rated Duty Cycle	Welding Wire	Insulation Class	Protection Class	Dimension	Weight
MIG-120	230V±10% 50/60hz (1ph)	3.8KVA	60V	120A	60%	0.6-0.8mm	H	IP21S	31*13*25	5KGS
MIG-140	230V±10% 50/60hz (1ph)	4.5KVA	60V	140A	60%	0.6-0.8mm	H	IP21S	33*14*25	6KGS
MIG-160	230V±10% 50/60hz (1ph)	5.2KVA	60V	160A	60%	0.6-1.0mm	H	IP21S	36*15*28	6KGS
MIG-180	230V±10% 50/60hz (1ph)	6.1KVA	60V	180A	60%	0.6-1.0mm	H	IP21S	38*16*30	7KGS
MIG-200	230V±10% 50/60hz (1ph)	8.4KVA	60V	200A	60%	0.6-1.2mm	H	IP21S	38*16*30	7KGS