

WELDING EQUIPMENT CATALOG



FACTORY: 117 HUAXIA DEV. ZONE, 321300 YONGKANG, JINHUA, ZHEJIANG , CHINA

OFFICE: 15FL JINZHOU MENSION, 321300 YONGKANG, JINHUA , ZHEJIANG, CHINA

WEB: [HTTPS://WWW.API-LTD.COM](https://www.api-ltd.com)

MAIL: SALES@API-LIMITED.COM



About company

Established in 2014, ASIAN PACIFIC INDUSTRIAL LIMITED focused on providing active and inspired OEM homeware and power tools products solution. API is specialized in providing Powertools, stainless steel container, plastic injection products and solution for customers around the world.

Benefit from our fully automatic CNC machines and testing devices, API is well positioned to meet different market needs with wild product range. Our powertools product line includes DC inverter MMA welding machine, DC inverter TIG welding machine, MIG/MAG/CO₂ gas shielded welding machine, air plasma cutter, MMA/TIG/CUT versatile welding machine, air compressor and related accessories.

With many years of OEM and designing experiences, our development center has constant energy to develop new product, explore new technology for marketplace and customer requests.

Customers from Asia, USA & EU could come to us to start a special designing order with no need to go aboard. API is bringing more and more customer projects from global top brand clients with high efficiency but low cost.

We are dedicating not only to provide the best products service, but also to offer the most competitive prices. We believe with our efficient management and highly mechanized productivity, our customers could obtain leading position and advanced competitiveness in local market.

We are expecting you to visit and joint us for further cooperation in any time.



FEATURES

1. Smart design with digital meter.
2. Low power consumption for energy saving. Small size, more portable.
3. Low voltage start 85V inside hot start, arc force, anti-stick.
4. Wide 140V-240V voltage working.
5. Over-heating/Over-current protection.
6. VRD switch.



MMA MINI-A	MMA-100	MMA-120	
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	
Input Current(A)	17	21	
Rated output voltage(V)	24	24.8	
Output Current(A)	20-100	20-120	
Rated Input Power(KW)	3.7	4.6	
Protection class of case	IP21	IP21	
Electrode	φ1.6-φ3.2	φ1.6-φ3.2	
Dimension(mm)	238x110x145	238x110x145	
N.W(K.G)	2.19	2.31	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

MMA SERIES

FEATURES

1. Smart design with digital meter/LCD meter.
2. Wide voltage input.
3. Over-heating/Over-current protection.
4. Low power consumption for energy saving. Small size, more portable.
5. Inside hot start, arc force, anti-stick.
6. VRD switch.



AMORPHOUS
STRUCTURE



**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

MMA-A	MMA-140	MMA-160	MMA-180	MMA-200	Standard
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%	
Input Current(A)	50.4/25.2	59.4/29.7	69/34.5	78.8/39.4	
Rated output voltage(V)	25.6	26.4	27.2	28	
Output Current(A)	20-140	20-160	20-180	20-200	
Rated Input Power(KW)	5.5	6.5	7.6	8.7	
Protection class of case	IP21	IP21	IP21	IP21	
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0	
Dimension(mm)	405x165x270	405x165x270	405x165x270	405x165x270	
N.W(K.G)	5.3	5.5	5.7	5.9	

MMA-A	MMA-120	MMA-140	MMA-160	MMA-180	MMA-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21	25.2	29.7	34.5	39.4
Rated output voltage(V)	24.8	25.6	26.4	27.2	28
Output Current(A)	20-120	20-140	20-160	20-180	20-200
Rated Input Power(KW)	4.6	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	300x125x205	300x125x205	300x125x205	405x165x270	405x165x270
N.W(K.G)	3.47	3.57	3.67	5.2	5.5

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Smart design with digital meter.
2. New shape design.
3. Wide voltage input.
4. Over-heating/Over-current protection.
5. Low power consumption for energy saving. Small size, more portable.
6. Multi-Process: MIG MMA LIFT-TIG.



DOUBLE VOLTAGE

DOUBLE VOLTAGE

3 in 1

MIG-A	MIG-140	MIG-160
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%
Input Current(A)	43.4/21.7	51.8/25.9
Rated output voltage(V)	22	23
Output Current(A)	20-140	20-160
Rated Input Power(KW)	4.8	5.7
Protection class of case	IP21	IP21
Wire Diameter(mm)	φ0.6-φ0.8	φ0.6-φ0.8
Dimension(mm)	470x217x358	470x217x358
N.W(K.G)	11.3	11.5



Optional



MIG-A	MIG-140	MIG-160	MIG-180	MIG-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21.7	25.9	30.4	35.2
Rated output voltage(V)	22	23	24	25
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	4.8	5.7	6.7	7.7
Protection class of case	IP21	IP21	IP21	IP21
Wire Diameter(mm)	φ0.6-φ0.8	φ0.6-φ0.8	φ0.6-φ1.0	φ0.6-φ1.0
Dimension(mm)	470x217x358	470x217x358	470x217x358	470x217x358
N.W(K.G)	10.5	10.7	11.1	12

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Smart design with digital meter.
2. New shape design.
3. Over-heating/Over-current protection.
4. Wide voltage input.
5. Low power consumption for energy saving. Small size, more portable.
6. Multi-Process: TIG MMA.
7. Circuit for TIG torch switch, reduce electromagnetic interference.



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STRUCTURE



Standard



TIG-A	TIG-140	TIG-160	TIG-180	TIG-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	25.2	29.7	34.5	39.4
Rated output voltage(V)	25.6	26.4	27.2	28
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	405x165x270	405x165x270	405x165x270	405x165x270
N.W(K.G)	5.86	6.06	6.26	6.46
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency	
0.76	F	35%	85%	

FEATURES

1. Smart design with digital meter.
2. Wide voltage input.
3. Over-heating/Over-current protection.
4. Low power consumption for energy saving. Small size, more portable.



CUT-A	CUT-40	CUT-60
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%
Input Current(A)	27	43.9
Rated output voltage(V)	96	104
Output Current(A)	20-40	20-60
Rated Input Power(KW)	5.9	9.7
Protection class of case	IP21	IP21
Arc-starting	Touch	Touch
Dimension(mm)	405x165x270	405x165x270
N.W(K.G)	6.25	6.35

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%



FEATURES

1. Smart design with digital meter.
2. Low power consumption for energy saving. Small size, more portable.
3. Low voltage start 85V inside hot start, arc force, anti-stick.
4. Wide 140V-240V voltage working.
5. Over-heating/Over-current protection.
6. VRD switch.



MMA MINI-B	MMA-100	MMA-120	
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	
Input Current(A)	17	21	
Rated output voltage(V)	24	24.8	
Output Current(A)	20-100	20-120	
Rated Input Power(KW)	3.7	4.6	
Protection class of case	IP21	IP21	
Electrode	φ1.6-φ3.2	φ1.6-φ3.2	
Dimension(mm)	238x110x145	238x110x145	
N.W(K.G)	2.19	2.31	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

MMA SERIES

FEATURES

1. Smart design with digital meter/LCD meter.
2. Wide voltage input.
3. Over-heating/Over-current protection.
4. Low power consumption for energy saving. Small size, more portable.
5. Inside hot start, arc force, anti-stick.
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STRUCTURE



**DOUBLE
VOLTAGE**

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**DOUBLE
VOLTAGE**

MMA-B	MMA-140	MMA-160	MMA-180	MMA-200	Standard
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%	
Input Current(A)	50.4/25.2	59.4/29.7	69/34.5	78.8/39.4	
Rated output voltage(V)	25.6	26.4	27.2	28	
Output Current(A)	20-140	20-160	20-180	20-200	
Rated Input Power(KW)	5.5	6.5	7.6	8.7	
Protection class of case	IP21	IP21	IP21	IP21	
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0	
Dimension(mm)	405x165x270	405x165x270	405x165x270	405x165x270	
N.W(K.G)	5.3	5.5	5.7	5.9	

MMA-B	MMA-120	MMA-140	MMA-160	MMA-180	MMA-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21	25.2	29.7	34.5	39.4
Rated output voltage(V)	24.8	25.6	26.4	27.2	28
Output Current(A)	20-120	20-140	20-160	20-180	20-200
Rated Input Power(KW)	4.6	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	300x125x205	300x125x205	300x125x205	405x165x270	405x165x270
N.W(K.G)	3.47	3.57	3.67	5.2	5.5

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Smart design with digital meter.
2. New shape design.
3. Over-heating/Over-current protection.
4. Wide voltage input.
5. Low power consumption for energy saving. Small size, more portable.
6. Multi-Process: MIG MMA.



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STRUCTURE



**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

MIG-B	MIG-140	MIG-160
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%
Input Current(A)	43.4/21.7	51.8/25.9
Rated output voltage(V)	22	23
Output Current(A)	20-140	20-160
Rated Input Power(KW)	4.8	5.7
Protection class of case	IP21	IP21
Wire Diameter(mm)	φ0.6-φ0.8	φ0.6-φ0.8
Dimension(mm)	470x217x358	470x217x358
N.W(K.G)	11.3	11.5



Optional



MIG-B	MIG-140	MIG-160	MIG-180	MIG-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21.7	25.9	30.4	35.2
Rated output voltage(V)	22	23	24	25
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	4.8	5.7	6.7	7.7
Protection class of case	IP21	IP21	IP21	IP21
Wire Diameter(mm)	φ0.6-φ0.8	φ0.6-φ0.8	φ0.6-φ1.0	φ0.6-φ1.0
Dimension(mm)	470x217x358	470x217x358	470x217x358	470x217x358
N.W(K.G)	10.5	10.7	11.1	12

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

TIG SERIES

FEATURES

1. IGBT inverter technology.
2. Quick use mode & expert mode.
3. AC/DC welding.
4. 3.5 inch full-color LCD display.
5. 18-set memories for your quick starting on your daily jobs.
6. Up to 6 AC waveforms.
7. Multi-Process: HF-TIG LIFT-TIG MMA.

Standard



**DOUBLE
VOLTAGE**

TIG-SJ

TIG-200L

TIG-200L

Input Voltage(V) 50/60Hz	220V ± 15%		110V/220V ± 15%	
Rated Input Power(KW)	9.6		9.6	
Output Current(A)	MMA: 30-200	TIG: 10-200	MMA: 30-200(220V) MMA: 30-120(110V)	TIG: 10-200(220V) TIG: 10-120(110V)
Arcing Method	High frequency		High frequency	
Welding Plate Thickness(mm)	0.5-5		0.5-5	
Dimension(mm)	460x220x375		460x220x375	
N.W(K.G)	15.1		15.1	
Duty Cycle	40%		40%	

FEATURES

1. Smart design with digital meter.
2. New shape design.
3. Over-heating/Over-current protection.
4. Wide voltage input.
5. Low power consumption for energy saving. Small size, more portable.
6. Multi-Process: TIG MMA.
7. Circuit for TIG torch switch, reduce electromagnetic interference.



AMORPHOUS
STRUCTURE



Standard



Intertek  



TIG-B

TIG-140

TIG-160

TIG-180

TIG-200

Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	25.2	29.7	34.5	39.4
Rated output voltage(V)	25.6	26.4	27.2	28
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	405x165x270	405x165x270	405x165x270	405x165x270
N.W(K.G)	5.86	6.06	6.26	6.46

Power factor

Insulation class

Duty Cycle at 40°C

Efficiency

0.76

F

35%

85%

FEATURES

1. Smart design with digital meter.
2. Wide voltage input.
3. Over-heating/Over-current protection.
4. Low power consumption for energy saving. Small size, more portable.



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STRUCTURE



CUT-B	CUT-40	CUT-60
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%
Input Current(A)	27	43.9
Rated output voltage(V)	96	104
Output Current(A)	20-40	20-60
Rated Input Power(KW)	5.9	9.7
Protection class of case	IP21	IP21
Arc-starting	Touch	Touch
Dimension(mm)	405x165x270	405x165x270
N.W(K.G)	6.25	6.35

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

- 1.New shape design. Mini size, more portable.
- 2.Use gas-free flux-cored wire.
- 3.MIG,MMA,LIFT TIG three functions in one.
- 4.MCU digital intelligent control.
- 5.MIG torch integration, easy to use.



3 in 1



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STRUCTURE



Standard



Optional



MIG-MINI

MIG-120

Input Voltage(V) 50/60Hz	110V ± 10%	220V ± 10%
Input Current(A)	35.4	17.7
Rated output voltage(V)	21	
Output Current(A)	20-120	
Rated Input Power(KW)	3.9	
Protection class of case	IP21	
Wire Diameter(mm)	φ0.6-φ0.8	
Dimension(mm)	450x165x275	
N.W(K.G)	5.28	

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. One knob control panel, 3.5 inch full-color LCD display.
2. Patented control system with 9 language versions.
3. 18-set memories for your quick starting on your daily jobs.
4. Portable size, 5kg wire spool. 2-roll gear drive wire feeder.
5. Quick polarity conversion. IGBT inverter technology, reliable performance.
6. Multi-Process: MIG LIFT-TIG MMA.



DOUBLE VOLTAGE

Standard



Optional

MIG-SJ	MIG-200L	MIG-200LSV		
Input Voltage(V) 50/60Hz	220V ± 15%	110/220V ± 15%		
Rated Input Power(KW)	8.2	8.2		
Output Current(A)	MIG: 40-200 MMA: 30-200 TIG: 20-200	MIG: 40-200(220V) MIG: 40-120(110V)	MMA: 30-200(220V) MMA: 30-120(110V)	TIG: 20-200(220V) TIG: 20-120(110V)
Feeding Mode	All in one	All in one		
Wire Feeding Speed(M/min)	2-15	2-15		
Welding Plate Thickness(mm)	0.5-5	0.5-5		
Wire Diameter(mm)	φ0.8-φ1.2	φ0.8-φ1.2		
Dimension(mm)	460x220x375	460x220x375		
N.W(K.G)	15.6	16.6		
Duty Cycle	60%	60%(220V) 30%(110V)		

FEATURES

1. 1.5 inch full-color LCD display, alternative and friendly control system.
2. 2.5 language versions.
3. One knob adjustment panel. 18-set memories for your quick starting on your daily jobs.
4. 4.5kg/15kg spool, 4-roll wire drive feeder.
5. Save energy airduct design. Gas cylinder cart.
6. IGBT inverter technology, reliable performance.
7. Multi-Process: MIG LIFT-TIG MMA.



Optional

MIG-SJ	MIG-350GDL
Input Voltage(V) 50/60Hz	380V ± 15%
Rated Input Power(KW)	13.9
Output Current(A)	MIG: 40-350 MMA: 30-300 TIG: 20-300
Feeding Mode	All in one
Wire Feeding Speed(M/min)	2-18
Welding Plate Thickness(mm)	0.5-6
Protection class of case	IP21
Wire Diameter(mm)	φ0.8-φ1.2
Dimension(mm)	810x510x800
N.W(K.G)	45

Standard



Power factor	Insulation class	Duty Cycle
0.93	F	30%

FEATURES

1. Smart hand-held design patent. Compact size, light weight.
2. Press chuck for quick replacement of electrode.
3. Integration of machine and welding cable. Free welding anytime, anywhere.
4. Button control switch, effectively prevent welding errors.
5. Inside anti-stick. Easy to carry.



ARC Hand-held	ARC-100	ARC-120	
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	
Input Current(A)	17	21	
Rated output voltage(V)	24	24.8	
Output Current(A)	20-100	20-120	
Rated Input Power(KW)	3.7	4.6	
Protection class of case	IP21	IP21	
Electrode	φ1.6-φ3.2	φ1.6-φ3.2	
Dimension(mm)	250x100x250	250x100x250	
N.W(K.G)	1.7	1.8	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	20%	85%

FEATURES

1. New design with digital meter.
2. Toolbox design, carry welding cable together. More convenient and portable.
3. Low power consumption for energy saving.
4. Low voltage start 85V inside hot start, arc force, anti-stick.
5. Wide 140V-240V voltage working.
6. Over-heating/Over-current protection.
7. VRD switch.



ARC-F	ARC-100	ARC-120
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%
Input Current(A)	17	21
Rated output voltage(V)	24	24.8
Output Current(A)	20-100	20-120
Rated Input Power(KW)	3.7	4.6
Protection class of case	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ3.2
Dimension(mm)	260x170x265	260x170x265
N.W(K.G)	3.55	3.67

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. New design with digital meter.
2. Toolbox design, carry welding cable together. More convenient and portable.
3. Low power consumption for energy saving.
4. Inside hot start, arc force, anti-stick.
5. Wide voltage input.
6. Over-heating/Over-current protection.
7. VRD switch.



AMORPHOUS
STRUCTURE



Standard



ARC-F	ARC-140	ARC-160	ARC-180
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	25.2	29.7	34.5
Rated output voltage(V)	25.6	26.4	27.2
Output Current(A)	20-140	20-160	20-180
Rated Input Power(KW)	5.5	6.5	7.6
Protection class of case	IP21	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0
Dimension(mm)	310x170x290	310x170x290	350x170x310
N.W(K.G)	4.69	4.79	5.13
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Smart design with digital meter.
2. New shape design.
3. Over-heating/Over-current protection.
4. Wide voltage input.
5. Low power consumption for energy saving. Small size, more portable.



AMORPHOUS
STRUCTURE



ARC-A	ARC-120	ARC-140	ARC-160
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21	25.2	29.7
Rated output voltage(V)	24.8	25.6	26.4
Output Current(A)	20-120	20-140	20-160
Rated Input Power(KW)	4.6	5.5	6.5
Protection class of case	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0
Dimension(mm)	320x140x280	320x140x280	320x140x280
N.W(K.G)	4.61	4.75	4.85
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Industrial MMA function.
2. Three phase fan-cooled inverter MMA.
3. Adopt advanced IGBT Model technology, increased reliability.
4. Arc force and hot start control knob.



AMORPHOUS
STRUCTURE



Optional



ARC-E	ARC-400	ARC-500	
Input Voltage(V) 50/60Hz	380V ± 10%	380V ± 10%	
Input Current(A)	27.7	38.4	
Rated output voltage(V)	36	40	
Output Current(A)	20-400	20-500	
Rated Input Power(KW)	18.2	25.3	
Protection class of case	IP21	IP21	
Electrode	φ1.6-φ6.0	φ1.6-φ6.0	
Dimension(mm)	495x275x465	495x275x465	
N.W(K.G)	20.67	22	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.93	F	60%	85%

FEATURES

1. Wide voltage input.
2. Over-heating/Over-current protection.
3. Low power consumption for energy saving. Small size, more portable.
4. Inside hot start, anti-stick.



ARC-D	ARC-120	ARC-140	ARC-160
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21	25.2	29.7
Rated output voltage(V)	24.8	25.6	26.4
Output Current(A)	20-120	20-140	20-160
Rated Input Power(KW)	4.6	5.5	6.5
Protection class of case	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0
Dimension(mm)	300x120x245	300x120x245	300x120x245
N.W(K.G)	3.9	4	4.1
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. New shape design.
2. Inside hot start, arc force, anti-stick.
3. Wide voltage input.
4. Over-heating/Over-current protection.
5. Low power consumption for energy saving. Small size, more portable.



AMORPHOUS
STRUCTURE



Standard



ARC -B	ARC-100	ARC-120	ARC-140	ARC-160
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	17	21	25.2	29.7
Rated output voltage(V)	24	24.8	25.6	26.4
Output Current(A)	20-100	20-120	20-140	20-160
Rated Input Power(KW)	3.7	4.6	5.5	6.5
Protection class of case	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0
Dimension(mm)	246x106x184	246x106x184	254x133x220	284x133x220
N.W(K.G)	2.7	2.8	3.25	3.53

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

1. Wide voltage input.
2. Over-heating/Over-current protection.
3. Low power consumption for energy saving. Small size, more portable.
4. Inside hot start, anti-stick.



AMORPHOUS
STRUCTURE



Standard



ARC MINI	ARC-100	ARC-120	
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	
Input Current(A)	17	21	
Rated output voltage(V)	24	24.8	
Output Current(A)	20-100	20-120	
Rated Input Power(KW)	3.7	4.6	
Protection class of case	IP21	IP21	
Electrode	φ1.6-φ3.2	φ1.6-φ3.2	
Dimension(mm)	230x100x150	230x100x150	
N.W(K.G)	2.16	2.26	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

ARC SERIES

FEATURES

1. Smart design with digital meter.
2. Wide voltage input.
3. Over-heating/Over-current protection.
4. Low power consumption for energy saving. Small size, more portable.



AMORPHOUS
STRUCTURE



**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

**DOUBLE
VOLTAGE**

ARC-C	ARC-140	ARC-160	ARC-180	ARC-200
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%	110/220V ± 10%
Input Current(A)	50.4/25.2	59.4/29.7	69/34.5	78.8/39.4
Rated output voltage(V)	25.6	26.4	27.2	28
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	400x165x330	400x165x330	400x165x330	400x165x330
N.W(K.G)	4.9	5.1	5.31	5.5

Standard



ARC-C	ARC-120	ARC-140	ARC-160	ARC-180	ARC-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	21	25.2	29.7	34.5	39.4
Rated output voltage(V)	24.8	25.6	26.4	27.2	28
Output Current(A)	20-120	20-140	20-160	20-180	20-200
Rated Input Power(KW)	4.6	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ3.2	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	310x140x280	310x140x280	310x140x280	400x165x330	400x165x330
N.W(K.G)	3.59	3.7	3.8	4.71	4.91

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

FEATURES

- 1.Ten years of classic shape design, stable quality model.
- 2.Adopt mature and stable MOS technology, working frequency up to 100KHz.
- 3.Three-layer PCB design, effectively improve the output load rate.
- 4.Input single/dual voltage optional.



DOUBLE VOLTAGE

DOUBLE VOLTAGE

ARC-E	ARC-140	ARC-160
Input Voltage(V) 50/60Hz	110/220V ± 10%	110/220V ± 10%
Input Current(A)	50.4/25.2	59.4/29.7
Rated output voltage(V)	25.6	26.4
Output Current(A)	20-140	20-160
Rated Input Power(KW)	5.5	6.5
Protection class of case	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0
Dimension(mm)	400X160X320	400X160X320
N.W(K.G)	7.09	7.2



ARC-E	ARC-140	ARC-160	ARC-180	ARC-200
Input Voltage(V) 50/60Hz	220V ± 10%	220V ± 10%	220V ± 10%	220V ± 10%
Input Current(A)	25.2	29.7	34.5	39.4
Rated output voltage(V)	25.6	26.4	27.2	28
Output Current(A)	20-140	20-160	20-180	20-200
Rated Input Power(KW)	5.5	6.5	7.6	8.7
Protection class of case	IP21	IP21	IP21	IP21
Electrode	φ1.6-φ4.0	φ1.6-φ4.0	φ1.6-φ5.0	φ1.6-φ5.0
Dimension(mm)	400X160X320	400X160X320	400X160X320	400X160X320
N.W(K.G)	6.59	6.7	6.8	6.9

Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

ARC SERIES

FEATURES

- 1.MMA/TIG/CUT multi-function welding machine.
- 2.Decoration & household preferred model.
- 3.Simple operation, automatic conversion of internal functions.
- 4.Complete accessories, suitable for all kinds of construction operations.

3 in 1



Standard



ARC-E		CT-416	
Input Voltage(V) 50/60Hz		220V ± 10%	
Input Current(A)		29.7	
Rated output voltage(V)	MMA: 26.4	TIG: 16.4	CUT: 96
Output Current(A)	MMA: 20-160	TIG: 20-160	CUT: 20-40
Rated Input Power(KW)		6.5	
Protection class of case		IP21	
Dimension(mm)		435x170x340	
N.W(K.G)		7.81	
Power factor	Insulation class	Duty Cycle at 40°C	Efficiency
0.76	F	35%	85%

Auto-Darkening Welding Helmet



HM-8



HM-D



HM-E



HM-J



HM-N



HM-P



HM-Q



HM-U



HM-W



1KG(0.8/1.0) 5KG(0.8/1.0)

Solid Wire



1KG(0.8/1.0) 5KG(0.8/1.0)

Flux-cored Wire

Euro Style Adaptor



Thai Style Adaptor



Italian Style Adaptor



Wire Section(mm ²)	Rated Current	Wire Section(mm ²)	Rated Current	Wire Section(mm ²)	Rated Current
10-25	200A	10-25	200A	10-25	200A
35-50	315A	35-50	315A	35-50	315A
50-70	400A	50-70	400A	50-70	400A
70-95	500A	70-95	500A	70-95	500A

ACCESSORIES



Ground Clamp
200A/300A/500A



Electrode Holder
200A/300A/500A



92x92x25mm DC FAN

120x120x32mm DC FAN

150x150x50mm DC FAN



120x120x38mm AC FAN

210x210x70mm AC FAN

MIG Torch



Name	Length
MIG-15AK	3M/4M/5M

Name	Length
MIG-24KD	3M/4M/5M

Name	Length
MIG-25AK	3M/4M/5M

Name	Length
MIG-36KD	3M/4M/5M



Name	Length
MIG-P200A	3M/4M/5M

Name	Length
MIG-P350A	3M/4M/5M

Name	Length
MIG-P500A	3M/4M/5M

Name	Length
MIG-501D	3M/4M/5M

CUT Torch



Name	Length
CUT-P80	4M/5M/8M

Name	Length
CUT-AG60	4M/5M/8M

Name	Length
CUT-TC80	4M/5M/8M

Name	Length
CUT-PT31	4M/5M/8M

TIG Torch



Name	Length
TIG-17	4M/8M

Name	Length
TIG-18	4M/8M

Name	Length
TIG-WP26	4M/8M

Name	Length
TIG-WP9V	4M/8M