

# KeyGree



## BUSINESS catalogue



**Headquater: KEYGREE GROUP CO.,LTD**

**Branch 1:**

**Chengdu Factory:** CHENGDU KEYGREE TECHNOLOGY.,LTD

**ADD:**Qingbaijiang Industrial Zone, Qingbaijiang, Chengdu, Sichuan

**Branch 2:**

**Wenzhou Factory:**WENZHOU KEYGREE ELECTRIC CO.,LTD.

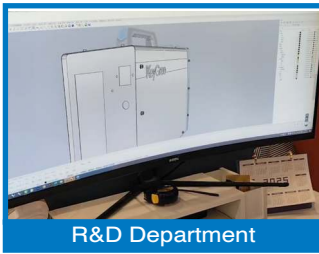
**ADD:**Dong Village, Liushi Town,Yueqing City, Wenzhou City, Zhe jiang Province

Established: Founded in 2009 (UK investment).

Scale & Capacity: 80,000m<sup>2</sup>+ facility producing 700,000+ welding units annually.

Quality Assurance: Certified to CCC, CE, ISO9001:2015.





R&D Department



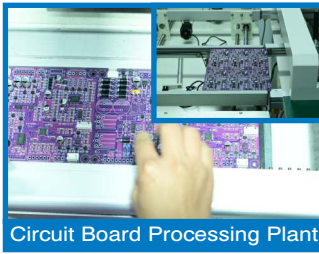
Machining plant



Sheet metal processing and spraying plant



injection molding plant



Circuit Board Processing Plant



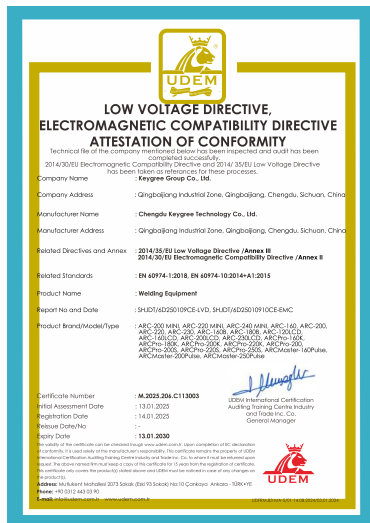
Welding Machine Assembly plant



Welding Torch Assembly plant



Laser Product line assembly plant



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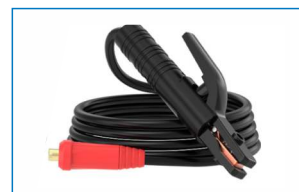
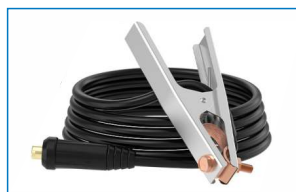


1PHASE  
MINI

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ MMA / LIFT TIG
- ◆ Arc-force
- ◆ Hot start
- ◆ Anti-stick

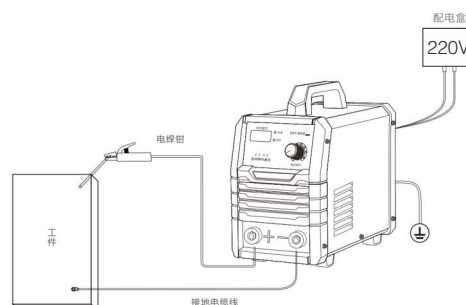


**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	ARC-220MINI	ARC-240MINI
Rated Input Voltage	1PH 220V	1PH 220V
Input Capacity	3.8KVA	4.5KVA
Inverter Frequency	40KHz	40KHz
Real Current Range	LIFT TIG 15-120A MMA 20-120A	LIFT TIG 15-160A MMA 20-160A
Duty Cycle	25%	25%
OCV	65V	65V
Recommend Electrode Diameter	1.6-3.2mm	1.6-4.0mm
Efficiency	80%	80%
Insulation Class	F	F
Machine Dimension	240*90*140mm	240*90*140mm
Machine Weight	2.2KG	2.3KG



1PHASE

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ MMA / LIFT TIG
- ◆ Arc-force
- ◆ Hot start
- ◆ Anti-stick



**Arc-force**  
**Hot start**  
**VRD**



## TECHNICAL DATA

KG Model	ARC-160	ARC-200
Rated Input Voltage	1PH 220V	1PH 220V
Input Capacity	8KVA	9KVA
Inverter Frequency	40KHz	40KHz
Real Current Range	LIFT TIG 15-160A MMA 20-160A	LIFT TIG 15-200A MMA 20-200A
Duty Cycle	25%	30%
OCV	62V	62V
Recommend Electrode Diameter	1.6-4.0mm	1.6-4.0mm
Efficiency	80%	80%
Insulation Class	F	F
Machine Dimension	290*120*205mm	307*120*205mm
Machine Weight	3.3KG	4KG



1PHASE

Wireless remote control

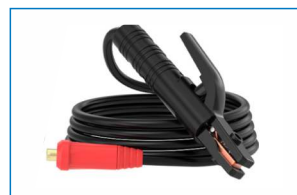
- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ MMA / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start
- ◆ Anti-stick

**OPTION:**

- ◆ RF remote control ( $\leq 40M$ )
- ◆ VRD ON/ OFF



**Arc-force**  
**Hot start**  
**VRD**

**TECHNICAL DATA**

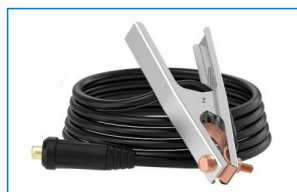
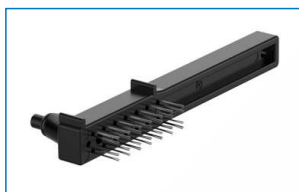
KG Model	ARC-230
Rated Input Voltage	1PH 220V
Input Capacity	10.1KVA
Inverter Frequency	40KHz
Real Current Range	LIFT TIG 15-220A MMA 20-220A
Duty Cycle	30%
OCV	78V
Recommend Electrode Diameter	1.6-5.0mm
Efficiency	80%
Insulation Class	F
Machine Dimension	325*160*280mm
Machine Weight	5.3KG

## 1PHASE

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ MMA / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start
- ◆ Anti-stick
- ◆ VRD ON / OFF
- ◆ Wired remote control
- ◆ 2Layers, Multi boards



**Arc-force**  
**Hot start**  
**VRD**



## TECHNICAL DATA

KG Model	ARCPRO-200S	ARCPRO-250S
Rated Input Voltage	1PH 220V	1PH 220V
Input Capacity	10KVA	13.3KVA
Inverter Frequency	45KHz	45KHz
Real Current Range	LIFT TIG 10-200A MMA 20-200A	LIFT TIG 10-250A MMA 20-250A
Duty Cycle	100%	65%
OCV	80V	80V
Recommend Electrode Diameter	1.6-4.0mm	1.6-5.0mm
Efficiency	80%	80%
Insulation Class	F	F
Machine Dimension	340*190*330mm	430*220*380mm
Machine Weight	7.5KG	10.5KG



## 1/2PHASE 160-450V

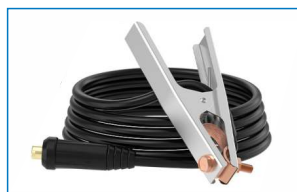
- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ MMA
- ◆ Arc-force
- ◆ Hot start
- ◆ Work with Generator
- ◆ 2Layers, Multi boards

### OPTION:

- ◆ VRD ON / OFF
- ◆ Wires remote control



**Arc-force**  
**Hot start**  
**VRD**



### TECHNICAL DATA

KG Model	ARCPro-150K	ARCPro-160K	ARCPro-180K	ARCPro-220K
Rated Input Voltage	1/2PH 160-450V	1/2PH 160-450V	1/2PH 160-450V	1/2PH 160-450V
Input Capacity	6.1KVA	6.9KVA	10.2KVA	11.6KVA
Inverter Frequency	28KHz	28KHz	28KHz	28KHz
Real Current Range	220V-150A 380V-150A	220V-160A 380V-160A	220V-180A 380V-180A	220V-220A 380V-220A
Duty Cycle	30%	55%	45%	25%
OCV	220V: 76V 380V: 65V	220V: 78V 380V: 65V	220V: 77V 380V: 69V	220V: 76V 380V: 67V
Recommend Electrode Diameter	≤3.2mm	2.5-3.2mm	2.5-4.0mm	2.5-4.0mm
Efficiency	80%	80%	80%	80%
Insulation Class	F	F	F	F
Machine Dimension	275*150*260mm	295*150*260mm	295*150*260mm	320*170*280mm
Machine Weight	4.9KG	5.1KG	5.1KG	5.6KG

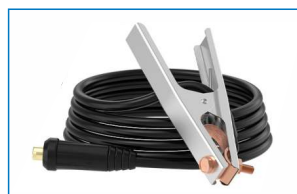
## 1/2/3PH 160-450V

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ Automatically identify power supply voltage: 160-450V
- ◆ MMA / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start
- ◆ Anti-stick
- ◆ Work with Generator
- ◆ VRD ON / OFF
- ◆ 2Layers, Multi boards



ARC SERIES

**Arc-force**  
**Hot start**  
**VRD**



### TECHNICAL DATA

KG Model	ARC-220H	ARC-280H	ARC-350H	ARC-300Q	ARC-400Q
Rated Input Voltage	1PH 160-450V 2PH 380-420V 3PH 220-250V 3PH 380-450V	1PH 160-450V 2PH 380-420V 3PH 220-250V 3PH 380-450V	1PH 160-450V 2PH 380-420V 3PH 220-250V 3PH 380-450V	1PH 160-450V 2PH 380-420V 3PH 220-250V 3PH 380-450V	1PH 160-450V 2PH 380-420V 3PH 220-250V 3PH 380-450V
Input Capacity	6.1KVA	6.9KVA	10.2KVA	11.6KVA	13.4/25.7KVA
Inverter Frequency	28KHz	28KHz	28KHz	30KHz	30KHz
Real Current Range	220V-200A 380V-220A	220V-220A 380V-280A	220V-250A 380V-350A	220V-220A 380V-300A	220V-250A 380V-400A
Duty Cycle	55%	35%	70%	35%	35%
OCV	220V: 94V 380V: 85V	220V: 91V 380V: 78V	220V: 90V 380V: 76V	220V: 102V 380V: 88V	220V: 96V 380V: 83V
Recommend Electrode Diameter	2.5-4.0mm	2.5-5.0mm	2.5-5.0mm	2.5-5.0mm	2.5-6.0mm
Efficiency	80%	80%	80%	80%	80%
Insulation Class	F	F	F	F	F
Machine Dimension	340*190*330mm	340*190*330mm	340*190*330mm	340*190*330mm	370*200*355mm
Machine Weight	7.5KG	8.1KG	10.8KG	8.7KG	11.3KG

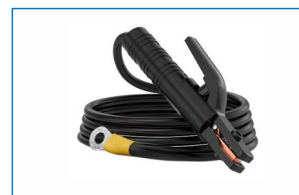
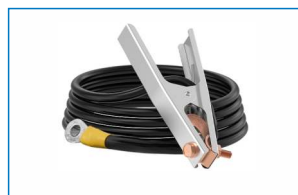
3PHASE

- ◆ DC INVERTER IGBT Module
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ MMA / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start adjustable
- ◆ VRD ON / OFF
- ◆ Wired Remote ON / OFF
- ◆ Long welding cable: up to 100m
- ◆ Adopting multiple insulation materials to protect PCB and main circuit
- ◆ Work with generator



ARC SERIES

**Arc-force**  
**Hot start**  
**VRD**



## TECHNICAL DATA

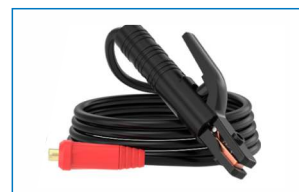
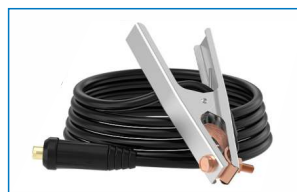
KG Model	ARC-400
Rated Input Voltage	3PH 380V
Input Capacity	17.8KVA
Inverter Frequency	20KHz
Real Current Range	40-400A
Duty Cycle	60%
OCV	86V
Recommend Electrode Diameter	2.5-6.0mm
Efficiency	85%
Insulation Class	F
Machine Dimension	515*265*480mm
Machine Weight	19.7KG

## 3PHASE Gouging

- ◆ full-bridge inverter soft switch control technology, double IGBT modules, and quick recovery diode module
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ Gouging / MMA / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start adjustable
- ◆ Anti-stick
- ◆ VRD ON / OFF
- ◆ Wired Remote ON / OFF
- ◆ Long welding cable: up to 100m
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**  
**VRD**



## TECHNICAL DATA

KG Model	ARC-500Z	ARC-630	ARC-1000	ARC-1250
Rated Input Voltage	3PH 380V	3PH 380V	3PH 380V	3PH 380V
Input Capacity	24.8KVA	38.5KVA	62.5KVA	82.8KVA
Inverter Frequency	20KHz	20KHz	20KHz	20KHz
Real Current Range	40-500A	40-630A	40-1000A	40-1250A
Duty Cycle	80%	30%	80%	80%
OCV	90V	87V	105V	102V
Recommend Electrode Diameter	2.5-6.0mm	2.5-6.0mm	2.5-6.0mm	2.5-6.0mm
Efficiency	85%	80%	80%	80%
Insulation Class	F	F	F	F
Machine Dimension	650*335*580mm	650*335*580mm	680* 365* 960mm	680* 365* 960mm
Machine Weight	36KG	38KG	87KG	90KG

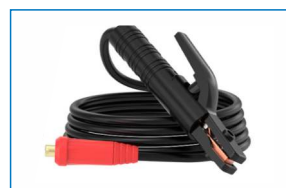
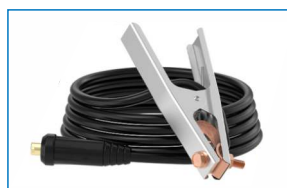
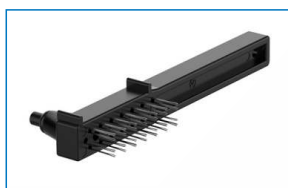


**3PHASE**  
Multi-station

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ Two stations can work at the same time
- ◆ Can also be combined into a carbon arc gouging machine.
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

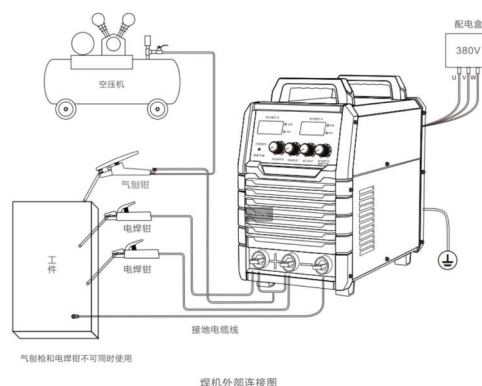


**Arc-force**  
**Hot start**



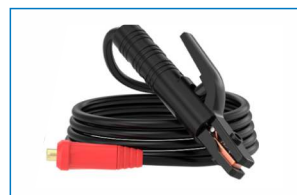
## TECHNICAL DATA

KG Model	ARC-500TS	ARC-630TS
Rated Input Voltage	3PH 380V	3PH 380V
Input Capacity	24KVA	28KVA
Inverter Frequency	30KHz	20KHz
Real Current Range	300A+300A	300A+300A
Duty Cycle	80%	80%
OCV	66V	71V
Recommend Electrode Diameter	2.5-5.0mm	2.5-5.0mm
Efficiency	80%	80%
Insulation Class	F	F
Machine Dimension	560* 300*510mm	560*305*530mm
Machine Weight	20KG	28KG



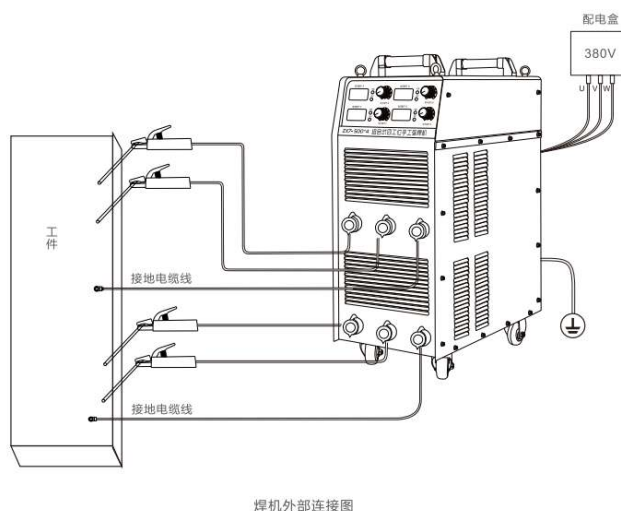
**3PHASE**  
 Multi-station

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ Four stations can weld 4.0mm electrodes at the same time.
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



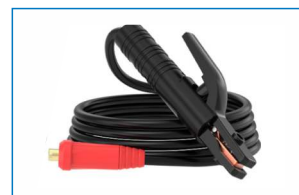
### TECHNICAL DATA

KG Model	ARC-500FS
Rated Input Voltage	3PH 380V
Input Capacity	60KVA
Inverter Frequency	30KHz
Real Current Range	300A
Duty Cycle	80%
OCV	68V
Recommend Electrode Diameter	2.5-5.0mm
Efficiency	80%
Insulation Class	F
Machine Dimension	770*405*1030mm
Machine Weight	50KG



**3PHASE**  
 Rebar butt

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ Four stations can weld 4.0mm electrodes at the same time.
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



### TECHNICAL DATA

KG Model	ZX7-630D	HY-630M	ARC-500FS
Rated Input Voltage	3PH 380V	3PH 380V	3PH 380V
Input Capacity	26KVA	21.7KVA	60KVA
Inverter Frequency	30KHz	20KHz	30KHz
Real Current Range	440A	465A	300A
Duty Cycle	20%	20%	80%
OCV	90V	86V	68V
Recommend Electrode Diameter	/	/	2.5-5.0mm
Efficiency	80%	87%	80%
Insulation Class	F	F	F
Machine Dimension	340*190*330mm	390*215*370mm	770*405*1030mm
Machine Weight	9.7KG	11.7KG	50KG

3PHASE  
CEL

- ◆ DC INVERTER Single-ended forward circuit
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ PULSE MMA / MMA / PULSE LIFT TIG / LIFT TIG
- ◆ Arc-force adjustable
- ◆ Hot start adjustable
- ◆ Anti-stick
- ◆ VRD ON / OFF
- ◆ Wired remote control
- ◆ Deep penetration and perfect vertical down-welding of cellulose electrodes (CEL)



**Arc-force**  
**Hot start**  
**VRD**



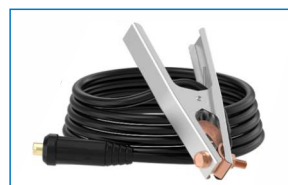
## TECHNICAL DATA

KG Model	ArcMaster-300Pulse
Rated Input Voltage	3PH 380V
Inverter Frequency	20KHz
No-Load Voltage	70A
Duty Cycle	60%
Real Output Amp	10-300V
Recommend Electrode Diameter	2.5-5.0mm
Efficiency	85%
Insulation Class	F
Machine Dimension	420*210*3100mm
Machine Weight	14.5KG



**BUILT IN**  
**1KG**

- ◆ DC INVERTER IGBT chip
- ◆ Overheat, overcurrent protection
- ◆ FLUX/MMA/LIFT TIG 3 IN 1
- ◆ 1KG wire can built in



MIG SERIES

## TECHNICAL DATA

KG Model	FLUX-120
Rated Input Voltage	1PH 220V
Input Capacity	5.7KVA
Inverter Frequency	40KHz
I1max / max input amper	26A
U2 / Output Volt	FLUX: 15.7-20V MMA: 20.8-24.8V LIFT TIG: 10.6-14.8V
Real Output Amp	FLUX: 35-120A MMA: 20-120A LIFT TIG: 15-120A
Duty Cycle(%) @ 40 °	20%
U0 / OCV	60V
Recommend wire Diameter	0.8/1.0mm
Efficiency(%)	80%
Insulation Class	F
Working Temperature	-10~+40°C
Input power cable	1.5mm <sup>2</sup>
Power switch	20A
Output welding cable	12mm <sup>2</sup>
Machine Dimension	360*145*220mm
Net Weight	3.6KG

**BUILT IN**  
**1KG**

- ◆ DC INVERTER IGBT chip
- ◆ Overheat, overcurrent protection
- ◆ FLUX/MMA/LIFT TIG 3 IN 1
- ◆ 1KG wire can built in
- ◆ LED display



MIG SERIES



## TECHNICAL DATA

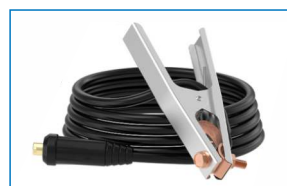
KG Model	MIG-140
Rated Input Voltage	1PH 220V
Input Capacity	5.7KVA
Inverter Frequency	40KHz
I1max / max input amper	26A
U2 / Output Volt	FLUX: 15.7-20V MMA: 20.8-24.8V LIFT TIG: 10.6-14.8V
Real Output Amp	FLUX: 35-120A MMA: 20-120A LIFT TIG: 15-120A
Duty Cycle(%) @ 40 °	20%
U0 / OCV	60V
Recommend wire Diameter	0.8/1.0mm
Efficiency(%)	80%
Insulation Class	F
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	25A
Output welding cable	14mm <sup>2</sup>
Machine Dimension	370*145*225mm
Net Weight	4.2KG

**BUILT IN**  
1/5KG

- ◆ DC INVERTER IGBT chip
- ◆ Overheat, overcurrent protection
- ◆ MIG/FLUX/MMA/LIFT TIG 4 IN 1
- ◆ 1 / 5 KG wire can built in
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Synergic LED display



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-160
Rated Input Voltage	1PH 220V
Input Capacity	7.9KVA
Inverter Frequency	40KHz
I1max / max input amper	36A
U2 / Output Volt	MIG: 16-22V MMA: 20.8-26.4V LIFT TIG: 10.6-16.4V
Real Output Amp	MIG: 40-160A MMA: 20-160A LIFT TIG: 15-160A
Duty Cycle(%) @ 40 °	30%
U0 / OCV	60V
Recommend wire Diameter	0.8/1.0mm
Efficiency(%)	80%
Insulation Class	F
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	25A
Output welding cable	16mm <sup>2</sup>
Machine Dimension	425*210*360mm
Net Weight	8.35KG

**BUILT IN**  
**1/5KG**

- ◆ DC INVERTER IGBT chip
- ◆ Overheat, overcurrent protection
- ◆ Spool gun / Single Pulse MIG / MMA / LIFT TIG 3 IN 1
- ◆ 1 / 5 KG wire can built in
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Synergic LED display
- ◆ Aluminum / FE / SS can weld



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-200P
Rated Input Voltage	1PH 220V
Input Capacity	10.5KVA
Inverter Frequency	40KHz
I1max / max input amper	48A
U2 / Output Volt	MIG: 16-24V MMA: 20.8-28V LIFT TIG: 10.6-18V
Real Output Amp	PULSE MIG: 40-200A MMA: 20-200A LIFT TIG: 15-200A
Duty Cycle(%) @ 40 °	30%
U0 / OCV	60V
Recommend wire Diameter	0.8/1.0/1.2mm
Efficiency(%)	83%
Protection Class	IP21S
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	30A
Output welding cable	25mm <sup>2</sup>
Machine Dimension	450*220*355mm
Net Weight	10KG



**BUILT IN**  
**1/5KG**

- ◆ DC INVERTER
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ Synergic MIG / Manual MIG / MMA / FLUX / LIFT TIG
- ◆ 1 / 5 KG wire can built in
- ◆ Adjustable Burn Back
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Synergic LED display
- ◆ 2layers, Multi boards
- ◆ 100% Duty cycle
- ◆ 2 drive rollers feed mechanism adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIGPro-181	MIGPro-201
Rated Input Voltage	1PH 220V	1PH 220V
Input Capacity	5KVA	7.5KVA
Inverter Frequency	28KHz	28KHz
I1max / max input amper	38.4A	40.8A
U2 / Output Volt	MIG:15.5-23.25V MMA:20.8-27.4V LIFT TIG:10.8-17.4V	MIG:15.5-24V MMA:20.8-28V LIFT TIG:10.8-18V
Real Output Amp	MIG: 30-180A MMA: 20-180A LIFT TIG: 20-200A	MIG: 30-200A MMA: 20-200A LIFT TIG: 20-200A
Duty Cycle(%) @ 40 °	100%	100%
U0 / OCV	68V	68V
Recommend wire Diameter	0.8/1.0mm	0.8/1.0mm
Efficiency(%)	80%	80%
Insulation Class	F	F
Working Temperature	-10~+40°C	-10~+40°C
Input power cable	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>
Power switch	/	/
Output welding cable	20mm <sup>2</sup> CCA	25mm <sup>2</sup> CCA
Machine Dimension	470*195*470mm	470*195*470mm
Net Weight	12KG	12KG

**BUILT IN**  
5/15KG

- ◆ DC INVERTER IGBT chip
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ Synergic MIG / Manual MIG / MMA / FLUX / LIFT TIG
- ◆ 5 / 15 KG wire can built in
- ◆ Adjustable inductance
- ◆ Adjustable Burn Back
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-220K	MIG-250K
Rated Input Voltage	1PH 160-250V 2PH 380-420V	1PH 160-250V 2PH 380-420V
Input Capacity	7.5KVA	10.5KVA
Inverter Frequency	28KHz	28KHz
I1max / max input amper	40.8A	/
U2 / Output Volt	MIG: 15.5-25V MMA: 20.8-28.6V LIFT TIG: 10.8-18.6V	MIG: 15.5-26.5V MMA: 21.2-30V LIFT TIG: 10.8-20V
Real Output Amp	MIG: 30-220A MMA: 20-220A LIFT TIG: 20-220A	MIG: 30-250A MMA: 20-250A LIFT TIG: 20-250A
Duty Cycle(%) @ 40 °	40%	40%
U0 / OCV	52V	65V
Recommend wire Diameter	0.8/1.0mm	0.8/1.0mm
Efficiency(%)	80%	80%
Insulation Class	F	F
Working Temperature	-10~+40°C	-10~+40°C
Input power cable	≥ 4mm <sup>2</sup>	≥ 4mm <sup>2</sup>
Power switch	/	/
Output welding cable	20mm <sup>2</sup> CCA	25mm <sup>2</sup> CCA
Machine Dimension	500*250*407mm	500*250*407mm
Net Weight	14.7KG	15.5KG

**BUILT IN**  
**15KG**

- ◆ DC INVERTER IGBT chip
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ Synergic MIG / Manual MIG / MMA / FLUX / LIFT TIG
- ◆ 5 / 15 KG wire can built in
- ◆ Adjustable inductance
- ◆ Adjustable Burn Back
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



## TECHNICAL DATA

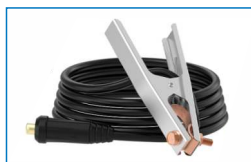
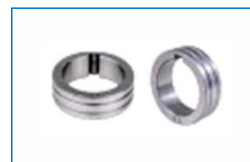
KG Model	MIGPro-205	MIGPro-255	MIGPro-265
Rated Input Voltage	1PH 220V	1PH 220V	3PH 380V
Input Capacity	8.5KVA	8.5KVA	7.5KVA
Inverter Frequency	28KHz	28KHz	28KHz
I1max / max input amper	40.8A	/	/
U2 / Output Volt	MIG: 15.5-24V MMA: 20.8-28V LIFT TIG: 10.8-18V	MIG: 15.5-26.5V MMA: 21.2-30V LIFT TIG: 10.8-20V	MIG: 15.5-26.5V MMA: 21.2-30V LIFT TIG: 10.8-20V
Real Output Amp	MIG: 30-220A MMA: 20-220A LIFT TIG: 20-220A	MIG: 30-250A MMA: 20-250A LIFT TIG: 20-250A	MIG: 30-250A MMA: 20-250A LIFT TIG: 20-250A
Duty Cycle(%) @ 40 °	60%	60%	60%
U0 / OCV	58V	66V	55V
Recommend wire Diameter	0.8-1.0mm	0.8-1.0mm	0.8-1.0mm
Efficiency(%)	80%	80%	80%
Insulation Class	F	F	F
Working Temperature	-10~+40°C	-10~+40°C	-10~+40°C
Input power cable	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>
Power switch	/	/	/
Output welding cable	25mm <sup>2</sup> CCA	25mm <sup>2</sup> CCA	25mm <sup>2</sup> CU
Machine Dimension	485*275*465mm	485*275*465mm	485*275*465mm
Net Weight	19KG	21KG	21KG

**BUILT IN**  
**15KG**

- ◆ DC INVERTER IGBT chip
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ MIG / MMA
- ◆ Automatically identify power supply voltage:160-450V
- ◆ 1 / 3 PHASE DIY
- ◆ 5 / 15 KG wire can built in
- ◆ Adjustable Burn Back
- ◆ Anti stick
- ◆ Generator welcome
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-270KB	MIG-315KB	MIG-350KB
Rated Input Voltage	1/2/3PH 160-450V	1/2/3PH 160-450V	1/2/3PH 160-450V
Input Capacity	11.6KVA	14.6KVA	17.3KVA
Inverter Frequency	28KHz	28KHz	28KHz
Duty Cycle(%)@40 °	80%	80%	80%
U0 / OCV	52V	56V	62V
Recommend wire Diameter	0.8-1.0mm	0.8-1.0mm	0.8-1.2mm
Recommend Electrode Diameter	/	2.5-3.2mm	2.5-4.0mm
Efficiency(%)	80%	80%	80%
Insulation Class	F	F	F
Machine Dimension	485*275*465mm	485*275*465mm	485*275*465mm
Machine Weight(KG)	19KG	20KG	21KG

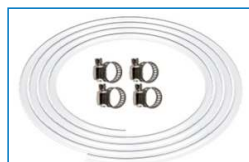
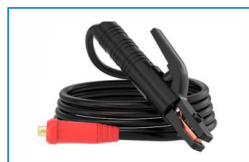
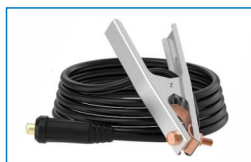


**BUILT IN**  
Trolley

- ◆ DC INVERTER IGBT chip
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ Spool gun / MIG/ MMA / FLUX
- ◆ 5 / 15 KG wire can built in
- ◆ Automatically identify power supply voltage: 160-450V
- ◆ Hot start
- ◆ Arc force
- ◆ Anti stick
- ◆ Generator welcome
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-270KT						MIG-350KT					
Rated Input Voltage	1PH	220V	3PH	220V	3PH	380V	1PH	220V	3PH	220V	3PH	380V
Frequency	50/60Hz						50/60Hz					
Input Current	27A		14A		16A		39A		20A		23A	
Rated Input Capacity	5.3 KVA				10.3 KVA		7.6 KVA				15.3 KVA	
No-Load Voltage	54V						62V					
Duty Cycle	60%						60%					
Adjustment Current Range	40-170A				40-250A		40-220A				40-350A	
Real Current	170A				250A		220A				350A	
Adjustment Voltage Range	23A				27.5A		25A				31.5A	
Wire Feeder	Build-in											
Wire Diameter	0.8-1.0mm						0.8-1.0mm				0.8-1.2mm	
Spool Size	5/15											
Efficiency	80%						80%					
Insulation Class	F						F					
Machine Dimensions	550*250*520mm						550*280*520mm					
Machine Weight	30KG						32KG					

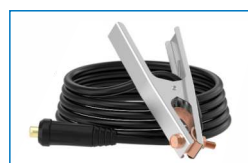
## SEPARATED Analog

- ◆ DC INVERTER, double IGBT chip
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ MIG/ MMA
- ◆ Separated wire feeder
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



MIG SERIES

**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-350X	MIG-500X
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	13KVA	27.1KVA
Real output Amper	350A	500A
Inverting Frequency	20KHz	20KHz
OCV	69V	70V
Duty Cycle (40°)	40%	40%
Voltage Range	14-35V	14-50V
Wire Diameter	0.8-1.2mm	0.8-1.2mm
Efficiency	80%	80%
Protection class	IP21S	IP21S
input power cable diameter suggestion	≥6mm <sup>2</sup>	≥6mm <sup>2</sup>
output welding cable diameter suggestion	50mm <sup>2</sup>	50mm <sup>2</sup>
LxWxH	515*275*470mm	560*305*530mm
Net Weight	21KG	21KG

## SEPARATED Analog

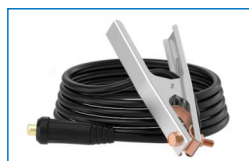
- ◆ Full-bridge inverter soft switch control technology, double IGBT modules
- ◆ Undervoltage, Overheat, overcurrent protection
- ◆ MIG/ MMA
- ◆ Separated wire feeder
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

### OPTION:

- ◆ Generator welcome
- ◆ 3PH 220/380/440V



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-350A	MIG-500A
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	15.3KVA	27.1 KVA
Real output Amper	350A	500A
Inverting Frequency	20KHz	20KHz
OCV	69V	78V
Duty Cycle (40°)	60%	60%
Voltage Range	14-40V	14-50V
Wire Diameter	0.8-1.2mm	0.8-1.6mm
Efficiency	80%	80%
Protection Class	IP21S	IP21S
input power cable diameter suggestion	≥6mm <sup>2</sup>	≥6mm <sup>2</sup>
output welding cable diameter suggestion	50mm <sup>2</sup>	50mm <sup>2</sup>
LxWxH	560*305*530mm	650*335*575mm
Net Weight	24KG	34KG

## SEPARATED Analog

- ◆ Full-bridge inverter soft switch control technology, double IGBT modules, and quick recovery diode module
- ◆ Undervoltage, Overvoltage, overcurrent overheat protection
- ◆ MIG / MMA / Gouging
- ◆ Separated wire feeder
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

### OPTION:

- ◆ Generator welcome
- ◆ 3PH 220/380/440V



**Arc-force**  
**Hot start**



## TECHNICAL DATA

KG Model	MIG-500G	MIG-630
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	27.1KVA	39.8KVA
Real output Amper	500A	630A
Inverting Frequency	20KHz	20KHz
OCV	78V	82V
Duty Cycle (40°)	80%	40%
Voltage Range	14-50V	14-50V
Wire Diameter	1.0-1.6mm	1.0-1.6mm
Efficiency	80%	80%
Protection Class	IP21S	IP21S
input power cable diameter suggestion	≥6mm <sup>2</sup>	≥6mm <sup>2</sup>
output welding cable diameter suggestion	50mm <sup>2</sup>	70mm <sup>2</sup>
LxWxH	650*335*575mm	650*335*575mm
Net Weight	37KG	43KG



SEPARATED  
Analog

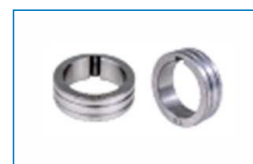
- ◆ full-bridge inverter soft switch control technology, double IGBT modules, and quick recovery diode module
- ◆ Undervoltage, Overvoltage, overcurrent, overheat protection
- ◆ MIG / MMA / Gouging
- ◆ Separated wire feeder
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

## OPTION:

- ◆ Generator welcome



**Arc-force**  
**Hot start**



MIG SERIES

## TECHNICAL DATA

KG Model	MIG-1000
Input Volt	3PH 380V
Rated Input Capacity	20KVA
Real output Amper	1000A
Inverting Frequency	20KHz
OCV	78V
Duty Cycle (40°)	60%
Voltage Range	14-50V
Wire Diameter	1.6-2.8mm
Efficiency	80%
Protection Class	IP21S
input power cable diameter suggestion	≥ 10mm <sup>2</sup>
output welding cable diameter suggestion	70mm <sup>2</sup>
LxWxH	650*335*575mm
Net Weight	84KG



## SEPARATED Digital wire feeder

- ◆ Possibility of welding without gas with self-shielding wire
- ◆ Separate 4-roller all-wheel drive feed mechanism with its own control
- ◆ Duty cycle at maximum current 100%
- ◆ Burner operating modes 2T, 4T, SP4T, SPOT
- ◆ Controlled welding with variable gap
- ◆ Uniform scaling creates a good seam appearance
- ◆ Perfect Welding of thin stainless steel sheets
- ◆ Less deformation due to concentrated welding arc
- ◆ Fast welding without undercuts, spatter and rework
- ◆ Excellent gap bridging



**Arc-force**  
**Hot start**



MIG SERIES

## TECHNICAL DATA

KG Model	MIG-350SYN	MIG-500SYN
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	16.5KVA	39.8KVA
Real output Amper	350A	630A
Inverting Frequency	20KHz	20KHz
OCV	68V	82V
Duty Cycle (40°)	60%	100%
Wire Diameter	0.8-1.2mm	0.8-1.6mm
Efficiency	80%	60%
Protection Class	IP21S	IP21S
input power cable diameter suggestion	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>
output welding cable diameter suggestion	≥35mm <sup>2</sup>	50mm <sup>2</sup>
LxWxH	885*500*824mm	885*500*824mm
Net Weight	78.6KG	43KG

## SINGLE PULSE

- ◆ Full-bridge inverter soft switch control technology, double IGBT modules, and quick recovery diode module
- ◆ Undervoltage, overvoltage, overcurrent, overheat Protection
- ◆ Double Pulse / Single Pulse / MMA
- ◆ Separated wire feeder
- ◆ Programme storage/load
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



MIG SERIES

### TECHNICAL DATA

KG Model	MIG-350SP	MIG-500SP
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	15.5KVA	27.5KVA
Voltage Range	14-40V	14-50V
Inverting Frequency	20KHz	20KHz
OCV	65V	78V
Duty Cycle (40°)	60%	60%
Wire Diameter	0.8-1.2mm	1.0-1.6mm
Efficiency	80%	80%
Protection Class	IP21S	IP21S
input power cable diameter suggestion	≥4mm <sup>2</sup>	≥6mm <sup>2</sup>
output welding cable diameter suggestion	35mm <sup>2</sup>	50mm <sup>2</sup>
LxWxH	650*335*575mm	650*335*575mm
Net Weight	36KG	37KG

## DOUBLE PULSE BUILT IN

- ◆ Spool gun / Double Pulse / Single Pulse / MMA / LIFT TIG 5 IN 1
- ◆ Synergic
- ◆ Aluminum / FE / SS can weld
- ◆ 1/5KG wire built in



MIG SERIES

**Arc-force**  
**Hot start**



### TECHNICAL DATA

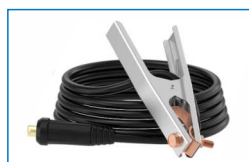
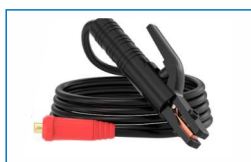
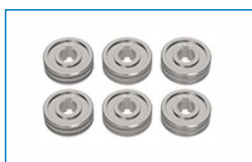
KG Model	MIG-200DP
Rated Input Voltage	1PH 220V
Input Capacity	10.5KVA
Inverter Frequency	40KHz
Max Input Amper	48A
Output Volt	MIG: 16-24V; MMA: 20.8-28V; LIFT TIG: 10.6-18V
Real output Amp	PULSE MIG: 40-200A; MMA: 20-200A; LIFT TIG: 15-200A
Duty Cycle (40°)	30%
OCV	60V
Recommend Wire Diameter	0.8MM/1.0MM/1.2MM
Efficiency	83%
Insulation Class	F
Working Temperature	-10~+40°F
input power cable	2.5mm <sup>2</sup>
Power Switch	30A
Output Welding Cable	25mm <sup>2</sup>
Machine Dimension	540*235*390mm
Net Weight	10.8KG

DOUBLE PULSE  
BUILT IN

- ◆ Large LCD display for convenient setting of parameter values and functions of the welding process
- ◆ Availability of intelligent fan operation mode
- ◆ Inductance adjustment
- ◆ Burner operating modes 2T / 4T / SPOT
- ◆ Selection of material, gas and wire diameter
- ◆ Synergetics suggests metal thickness
- ◆ Pulse and Dual Pulse welding modes
- ◆ 10 memory cells for storing individual welding modes
- ◆ 36 volt socket for connecting power supply to the gas cylinder reducer heating



MIG SERIES



## TECHNICAL DATA

KG Model	MIGMASTER-300DP			
Rated Input Voltage	1 PH 220V	3 PH 220V	3 PH 380V	3 PH 440 V
Frequency	50/60Hz			
Input Current	60A		17A	
Rated Input Capacity	13.3V		11.2V	
No-Load Voltage	71KHz		81KHz	
Duty Cycle	75%			
Adjustment Current Range	40-300A		40-300A	
Real Current	40-300A			
Wire Diameter	0.8/1.0/1.2mm			
Spool Size	5/15KG			
Efficiency	80%			
Insulation Class	F			
Machine Dimensions	1020*460*740mm			
Net Weight	38KG			

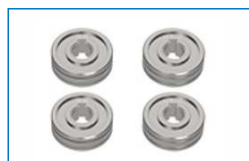


## DOUBLE PULSE SEPARATED

- ◆ Full-bridge inverter soft switch control technology, double IGBT modules, and quick recovery diode module
- ◆ Undervoltage, overvoltage, overcurrent, overheat Protection
- ◆ Double Pulse / Single Pulse / MMA
- ◆ Separated wire feeder
- ◆ Programme storage/load
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



**Arc-force**  
**Hot start**



MIG SERIES

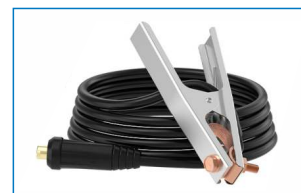
### TECHNICAL DATA

KG Model	MIG-350DP-W	MIG-500DP-W
Input Volt	3PH 380V	3PH 380V
Rated Input Capacity	15.5KVA	28KVA
Real output Amper	350A	500A
Inverting Frequency	20KHz	20KHz
OCV	65V	78V
Duty Cycle (40°)	60%	60%
Wire Diameter	0.8-1.2mm	0.8-1.6mm
Efficiency	80%	80%
Protection Class	IP21S	IP21S
input power cable diameter suggestion	≥4mm <sup>2</sup>	≥6mm <sup>2</sup>
output welding cable diameter suggestion	35mm <sup>2</sup>	50mm <sup>2</sup>
LxWxH	1040*580*1480mm	1040*580*1480mm
Net Weight	93KG	103KG



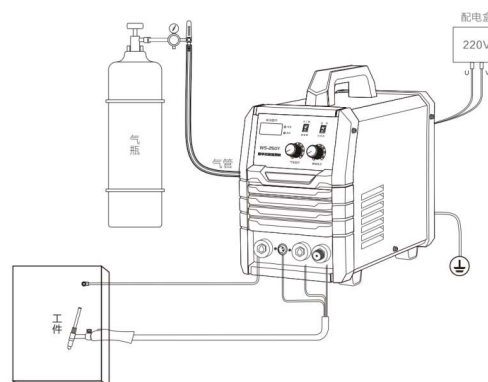
DC

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ TIG
- ◆ Gas delay adjustable
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



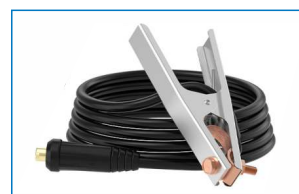
## TECHNICAL DATA

KG Model	TIG-200
Rated Input Voltage	1PH 220V
Input Capacity	2.8KVA
Inverter Frequency	28KHz
OCV	52V
Duty Cycle	40%
Current Range	10-200A
Electrode Diameter	/
Tungsten Diameter	1.6
Efficiency	80%
Protection Class	IP21S
Machine Dimension	300*160*280mm
Machine Weight	5.9KG



DC

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overcurrent Protection
- ◆ TIG / MMA
- ◆ Gas delay adjustable
- ◆ 2T / 4T
- ◆ 2layers, Multi board
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

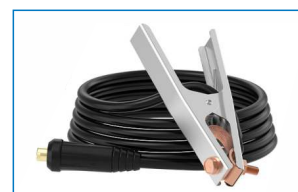
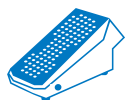


## TECHNICAL DATA

KG Model	TIG-225	TIG-245	TIG-250	TIG-315
Rated Input Voltage	1P 220V	1/2PH 220/380V	3PH 380V	3PH 380V
Input Capacity	3.9KVA	7.8KVA	7.1KVA	8.5KVA
Inverter Frequency	28KHz	28KHz	28KHz	28KHz
OCV	52V	53V	52V	55V
Duty Cycle	40%	100%	60%	60%
Current Range	10-250A	10-315A	10-315A	10-400A
Electrode Diameter	2.0-3.2	2.0-3.0	2.0-3.2	2.0-4.0
Tungsten Diameter	1.6	1.6-2.0	1.6-2.4	2.0-3.2
Efficiency	80%	80%	80%	80%
Protection Class	IP21S	IP21S	IP21S	IP21S
Machine Dimension	340*190*330mm	390*215*370mm	430*230*375mm	485*245*420
Machine Weight	8KG	10KG	13KG	17KG

## DC PULSE

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ PULSE TIG / MMA
- ◆ 5pin Foot pedal welcome: control amper up/down



## TECHNICAL DATA

KG Model	TIG-200P	TIG-250P
Rated Input Voltage	1PH 220V	1PH 220V
Input Capacity	36KVA	42KVA
Inverter Frequency	40KHz	40KHz
OCV	60V	60V
Duty Cycle	30%	30%
Current Range	TIG: 10-180 MMA: 20-140	TIG: 10-220 MMA: 20-180
Electrode Diameter	/	/
Tungsten Diameter	1.6-2.4	1.6-3.2
Efficiency	83%	83%
Protection Class	IP21S	IP21S
Machine Dimension	400*165*295mm	400*165*295mm
Machine Weight	5.4KG	5.5KG

## DC PULSE

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ Adjustable pre gas /slope up/slope down/gas delay
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



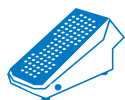
## TECHNICAL DATA

KG Model	TIG-315P	TIG-400P	TIG-500P
Rated Input Voltage	3PH 380V	3PH 380V	3PH 380V
Input Frequency	50/60Hz	50/60Hz	50/60Hz
Max Input Current	15A	22A	31.7A
Rated Input Power	9.9KVA	13.9KVA	20KVA
No-Load Voltage	68V	70V	78V
Real Output Current	TIG MMA 315A	400A	500A
Adjustable Current Range	TIG MMA 10-315	10-400	10-500
Duty Cycle	60%	60%	60%
Gas pre-flow time	0.01-5S	0.01-5S	0.01-5S
Gas post-flow time	0.01-60S	0.01-60S	0.01-60S
Arc initiation current	20-40A	20-40A	20-40A
Ramp up time	0.01-10S	0.01-10S	0.01-10S
Pulse Frequency	1-90%	1-90%	1-90%
Basic value time	0.01-10S	0.01-10S	0.01-10S
Ramp down time	0.01-10S	0.01-10S	0.01-10S
Crater filler current	20-100A	20-100A	20-100A
Machine Dimension	515*275*470mm	560*305*530mm	650*335*575mm
Machine Weight	27.4KG	28.5KG	38.5KG



## DC PULSE / COLD

- ◆ DC INVERTER
- ◆ Overheat, overcurrent protection
- ◆ COLD TIG/PULSE TIG/MMA/LIFT TIG 4 IN 1
- ◆ HOT START /ARC FORCE /ANTI STICK
- ◆ Special torch modes : 2T / 4T / 4T2 / SPOT
- ◆ Work Time Tracking System
- ◆ Saving welding parameter settings
- ◆ Intelligent cooling



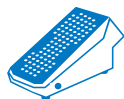
## TECHNICAL DATA

KG Model		TIGMaster-250COLD	TIGMaster-315COLD
Rated Input Voltage		1PH 220V	1P 220V
Input Frequency		50/60Hz	50/60Hz
Max Input Current		55A	15A
Rated Input Power		13.8KVA	9.8KVA
No-Load Voltage		70V	65V
Real Output Current	TIG	230/250A	300/310A
	MMA		
Gas Regulation	Pre-Gas	0.1-5S	0.1-5S
	Post-Gas	0.1-10S	0.1-10S
Duty Cycle		60%	60%
Current	Start	5-Welding Current	5-310A
	Stop	5-Welding Current	5-310A
	Slope Up	OFF-10S	OFF-10S
	Slope Down	OFF-10S	OFF-10S
Pulse	Frequency	500Hz	500Hz
	Balance	10-90%	10-90%
Cold Welding Time		1-990MS	1-990MS
Cold Spot Time		400-990MS	400-990MS
Machine Dimension		380*185*315mm	450*235*385mm
Machine Weight		9.5KG	13.26KG



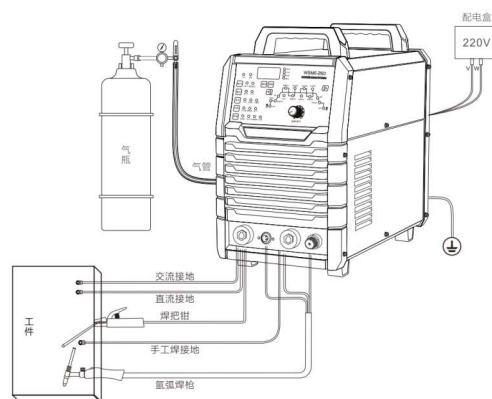
## ACDC PULSE

- ◆ AC / DC INVERTER
- ◆ AC TIG / DC TIG / DC MMA
- ◆ Compatible with 5pin foot pedal which can control output amper up/down
- ◆ LED display



### TECHNICAL DATA

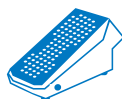
KG Model	TIG-205P ACDC	
Rated Input Voltage	1PH 220V	
Input Frequency	50/60Hz	
Max Input Current	37A	
Rated Input Power	9.2KVA	
No-Load Voltage	56V	
Real Output	TIG	200A
Current	MMA	180A
Gas	Pre-Gas	0.1-5S
Regulation	Post-Gas	0.5-15S
Duty Cycle	40%	
Current	Start	10%-100%
	Stop	10%-100%
	Slope Up	0-10S
	Slope Down	0-15S
Pulse	Frequency	0.2-200Hz
	Balance	0.2-9.9Hz 1%-99% 10-200Hz 10%-90%
Cold Welding Time	0.1-10MS	
Machine Dimension	450*195*350mm	
Machine Weight	9KG	



焊机外部连接图

## ACDC PULSE

- ◆ AC/DC INVERTER
- ◆ AC TIG / DC TIG / AC MMA / DC MMA
- ◆ Special torch modes : 2T / 4T / 4T2 / SPOT
- ◆ Sine wave/triangle wave/square wave
- ◆ Real DC Initial current : 10A
- ◆ Real AC Initial current : 20A
- ◆ DC pulse frequency adjustable range: 0.2-500Hz
- ◆ AC pulse frequency: 0.2-200HZ
- ◆ AC frequency: 20-250HZ
- ◆ Welding Process Save / Load
- ◆ Compatible with 6pin foot pedal / TIG torch which can control output ampere up/down;
- ◆ Air cooler
- ◆ 2Layers, multi boards
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

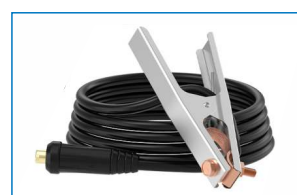
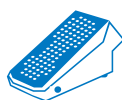


## TECHNICAL DATA

KG Model		TIG-225P ACDC	TIG-255P ACDC	TIG-315P ACDC	TIG-350P ACDC
Rated Input Voltage		1PH 220V	1PH 220V	3PH 380V	3PH 380V
Rated Input Power		6.2KVA	11.2KVA	11.2KVA	15.8KVA
No-Load Voltage		67V	67V	69V	69V
Max Rated Output		250A/20V	315A/22.6V	350A/24V	350A/24V
Real Output Current	TIG	DC TIG: 5-200A AC TIG: 20-170A	DC TIG: 250A AC TIG: 220A	MMA: 300A AC TIG: 270A DC TIG: 315A	MMA: 350A ACTIG: 315A DCTIG: 350A
	MMA	MMA: 30-185A	MMA: 240A		
Protection Class		IP21S	IP21S	IP21S	IP21S
Duty Cycle		85%	85%	85%	85%
Efficiency		80%	80%	80%	80%
Insulation Class		F	F	F	F
Gas Regulation	Pre-Gas	0.1-10S	0.1-10S	0.1-10S	0.1-10S
	Post-Gas	0-10S	0-10S	0-10S	0-10S
Current	Start	DC: 5-200/AC: 20-170	DC: 5-250/AC: 20-220	DC: 5-315/AC: 20-315	DC: 5-350/AC: 20-350
	Stop	DC: 5-200/AC: 20-170	DC: 5-250/AC: 20-220	DC: 5-315/AC: 20-315	DC: 5-350/AC: 20-350
	Slope Up	0.1-10S	0.1-10S	0.1-10S	0.1-10S
	Slope Down	0-10S	0-10S	0-10S	0-10S
Pulse	Frequency	500Hz	500Hz	500Hz	500Hz
	Balance	20-70%	20-70%	20-70%	20-70%
AC Frequency		200Hz	200Hz	200Hz	200Hz
Machine Dimension		375*425*225mm	475*235*410mm	510*265*470mm	585*295*530mm
Machine Weight		13.75KG	18.3KG	29KG	34.6KG

## ACDC PULSE

- ◆ AC/DC INVERTER
- ◆ AC TIG / DC TIG / AC MMA / DC MMA
- ◆ Special torch modes : 2T / 4T / 4T2 / SPOT
- ◆ Sine wave/triangle wave/square wave
- ◆ Real DC Initial current : 10A
- ◆ Real AC Initial current : 20A
- ◆ DC pulse frequency adjustable range: 0.2-500Hz
- ◆ AC pulse frequency: 0.2-200HZ
- ◆ AC frequency: 20-250HZ
- ◆ Welding Process Save / Load
- ◆ Compatible with 6pin foot pedal / TIG torch which can control output ampere up/down;
- ◆ Air / water cooler switch button, air / water pressure protection
- ◆ Both Air / water cooler
- ◆ 50M MMA wired remote control
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

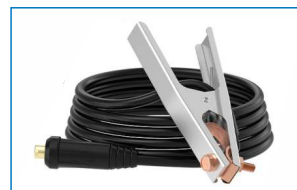


## TECHNICAL DATA

KG Model		TIG-400P ACDC	TIG-350P ACDC-W	TIG-400P ACDC-W
Rated Input Voltage		3PH 380V	3PH 380V	3PH 380V
No-Load Voltage		81V	69V	81V
Rated Input Power		17KVA	15.8KVA	17KVA
Max Rated Output		400A/26V	350A/24V	400A/26V
Real Output Current	TIG	MMA: 400A	MMA: 350A	MMA: 400A
	MMA	AC TIG: 360A DC TIG: 400A	ACTIG: 315A DCTIG: 350A	ACTIG: 360A DCTIG: 400A
Protection Class		IP21S	IP21S	IP21S
Duty Cycle		60%	60%	60%
Efficiency		80%	80%	80%
Insulation Class		F	F	F
Gas Regulation	Pre-Gas	0.1-10S	0.1-10S	0.1-10S
	Post-Gas	0-10S	0-10S	0-10S
Current	Start	DC: 5-400/AC: 20-400	DC: 5-350/AC: 20-350	DC: 5-400/AC: 20-400
	Stop	DC: 5-400/AC: 20-400	DC: 5-350/AC: 20-350	DC: 5-400/AC: 20-400
	Slope Up	0.1-10S	0.1-10S	0.1-10S
	Slope Down	0-10S	0-10S	0-10S
Pulse	Frequency	500Hz	500Hz	500Hz
	Balance	20-70%	20-70%	20-70%
AC Frequency		200Hz	200Hz	200Hz
Machine Dimension		645*330*615mm	970*490*1090mm	970*490*1090mm
Machine Weight		46.5KG	75KG	86KG

## ACDC PULSE

- ◆ AC/DC INVERTER
- ◆ AC TIG / DC TIG / AC MMA / DC MMA
- ◆ Special torch modes : 2T / 4T / 4T2 / SPOT
- ◆ Sine wave/triangle wave/square wave
- ◆ Real DC Initial current : 10A
- ◆ Real AC Initial current : 20A
- ◆ DC pulse frequency adjustable range: 0.2-500Hz
- ◆ AC pulse frequency: 0.2-200HZ
- ◆ AC frequency: 20-250HZ
- ◆ Welding Process Save / Load
- ◆ Compatible with 6pin foot pedal / TIG torch which can control output ampere up/down;
- ◆ Air / water cooler switch button, air / water pressure protection
- ◆ Both Air / water cooler
- ◆ 50M MMA wired remote control
- ◆ Adopting multiple insulation materials to protect PCB and main circuit

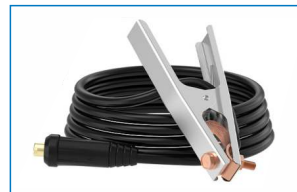


### TECHNICAL DATA

KG Model		TIG-500P ACDC	TIG-630P ACDC
Rated Input Voltage		3PH 380V	3PH 380V
No-Load Voltage		78V	82V
Rated Input Power		25KVA	28.3KVA
Max Rated Output		500A/30V	630A/34V
Real Output Current	TIG	MMA: 500A	MMA: 630A
	MMA	AC TIG: 440A DC TIG: 500A	AC TIG: 580A DC TIG: 630A
Protection Class		IP21S	IP21S
Duty Cycle		80%	80%
Efficiency		80%	80%
Insulation Class		F	F
Gas Regulation	Pre-Gas	0.1-10S	0.1-10S
	Post-Gas	0-10S	0-10S
Current	Start	DC: 5-500/AC: 20-500	DC: 5-500/AC: 20-500
	Stop	DC: 5-500/AC: 20-500	DC: 5-500/AC: 20-500
	Slope Up	0.1-10S	0.1-10S
	Slope Down	0-10S	0-10S
Pulse	Frequency	500Hz	500Hz
	Balance	20-70%	20-70%
AC Frequency		200Hz	200Hz
Machine Dimension		630*355*865mm	630*355*865mm
Machine Weight		72KG	78KG



- ◆ DC INVERTER
- ◆ High frequency arc rising
- ◆ After blow time adjustable 10/80S
- ◆ 2T / 4T
- ◆ Capable to cut all metals



## TECHNICAL DATA

KG Model	CUT-50
Rated Input Voltage	1PH 220V
Rated Input Power	4.5KVA
Max Input Current	31A
Real Output Current	40A
Duty Cycle	40%
No-Load Voltage	280V
Adjustable Current Range	20-50A
Real Output Current	40A
Arc Ignition Mode	HF, touch
Quality manual Cutting Thickness	CS:10mm SS:8mm AL:8mm
MAX Manual Cutting Thickness	CS:15mm SS:15mm AL:15mm
Piercing Cutting Thickness	CS:4mm SS:4mm AL:4mm
Machine Dimensions	410*160*295mm
Net Weight	5.6KG



- ◆ DC INVERTER
- ◆ High frequency arc rising
- ◆ After blow time adjustable 10/80S
- ◆ 2T / 4T
- ◆ Capable to cut all metals
- ◆ Pilot arc



## TECHNICAL DATA

KG Model	CUT-60
Rated Input Voltage	1PH 220V
Rated Input Power	5.8KVA
Max Input Current	40A
Real Output Current	50A
Duty Cycle	40%
No-Load Voltage	280V
Adjustable Current Range	20-60A
Real Output Current	50A
Arc Ignition Mode	HF, non-touch
Quality manual Cutting Thickness	CS:14mm SS:14mm AL:14mm
MAX Manual Cutting Thickness	CS:20mm SS:20mm AL:20mm
Piercing Cutting Thickness	CS:6mm SS:6mm AL:6mm
Machine Dimensions	410*160*295mm
Net Weight	7KG

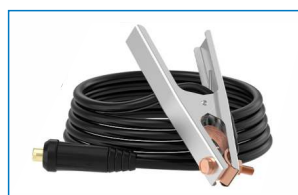
- ◆ DC INVERTER
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ 2T / 4T
- ◆ After blow time adjustable
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



## TECHNICAL DATA

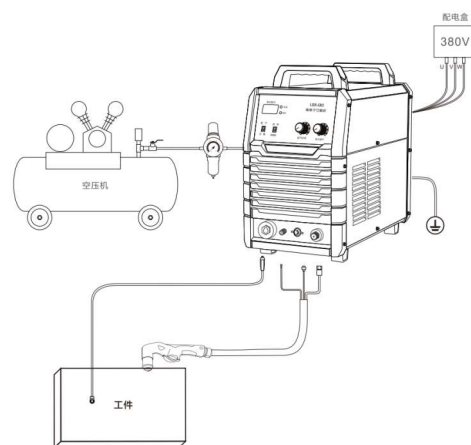
KG Model	CUT-60S	CUT-80	CUT-100
Rated Input Voltage	1PH 220V 2PH 380V	3PH 380V	3PH 380V
Rated Input Capacity	9.8KVA	12.4KVA	16.7KVA
Real output Amper	60A	80A	100A
Inverting Frequency	28KHz	20KHz	20KHz
OCV	278V	301V	308V
Duty Cycle (40°)	60%	80%	60%
Arc Method	HF, non-touch	HF, non-touch	HF, non-touch
Quality Manual Cutting Thickness	CS:15mm SS:10mm AL:10mm	CS:20mm SS:12mm AL:12mm	CS:25mm SS:15mm AL:15mm
Max Manual Cutting Thickness	CS:22mm SS:10mm AL:10mm	CS:25mm SS:12mm AL:12mm	CS:30mm SS:15mm AL:15mm
Piercing Cutting Thickness	/	/	/
Efficiency	80%	80%	80%
Protection Class	IP21S	IP21S	IP21S
Input Power Cable Diameter	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>	≥4mm <sup>2</sup>
Output Power Cable Diameter	16mm <sup>2</sup>	16mm <sup>2</sup>	16mm <sup>2</sup>
LxWxH	430*230*375mm	485*245*420mm	515*275*470mm
Net Weight	12KG	20KG	26.5KG

- ◆ DC INVERTER
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ 2T / 4T
- ◆ After blow time adjustable
- ◆ CNC welcome
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



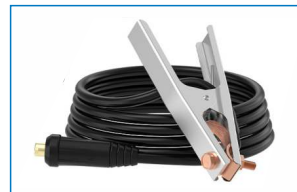
### TECHNICAL DATA

KG Model	CUT-120 CNC
Rated Input Voltage	3PH 380V
Rated Input Capacity	21.3KVA
Real output Amper	120A
Inverting Frequency	20KHz
OCV	309V
Duty Cycle (40°)	60%
Arc Method	HF, non-touch
Quality Manual Cutting Thickness	CS:30mm SS:20mm AL:20mm
Max Manual Cutting Thickness	CS:50mm SS:30mm AL:30mm
Piercing Cutting Thickness	CS:35mm SS:20mm AL:20mm
Efficiency	80%
Protection Class	IP21S
Input Power Cable Diameter	≥ 4mm <sup>2</sup>
Output Power Cable Diameter	16mm <sup>2</sup>
LxWxH	560*305*530mm
Net Weight	32KG



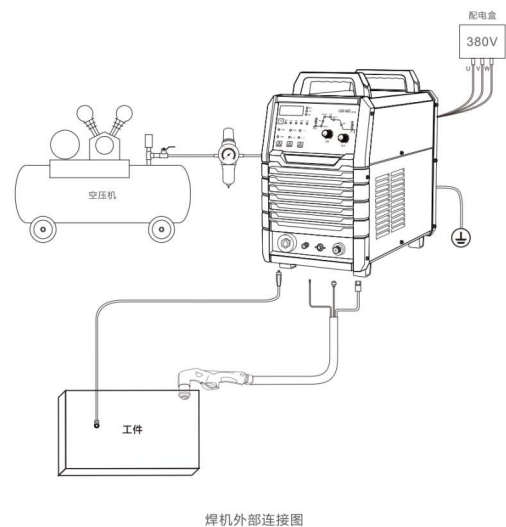
焊机外部连接图

- ◆ full-bridge inverter soft switch control technology,
- ◆ double IGBT modules, and quick recovery diode module
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ 2T / 4T
- ◆ Digital set of Pre gas time / Slope up / Small arc current/ piercing current ratio/ piercing current time/ cutting current/Slope down / gas delay time CNC welcome
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



## TECHNICAL DATA

KG Model	CUT-160 CNC
Rated Input Voltage	3PH 380V
Rated Input Capacity	32.4KVA
Real output Amper	160A
Inverting Frequency	20KHz
OCV	312V
Duty Cycle (40°)	60%
Arc Method	HF, non-touch
Quality Manual Cutting Thickness	CS:50mm SS:30mm AL:30mm
Max Manual Cutting Thickness	CS:50mm SS:30mm AL:30mm
Piercing Cutting Thickness	CS:55mm SS:30mm AL:30mm
Efficiency	80%
Protection Class	IP21S
Input Power Cable Diameter	≥ 4mm <sup>2</sup>
Output Power Cable Diameter	16mm <sup>2</sup>
LxWxH	650*335*575mm
Net Weight	45KG





- ◆ full-bridge inverter soft switch control technology,
- ◆ double IGBT modules, and quick recovery diode module
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ 2T / 4T
- ◆ Digital set of Pre gas time / Slope up / Small arc current/ piercing current ratio/ piercing current time/ cutting current/Slope down / gas delay time
- ◆ IGBT Module
- ◆ CNC welcome
- ◆ Undervoltage, water shortage, overheat protection
- ◆ Water cooler / air cooler switch
- ◆ Adopting multiple insulation materials to protect PCB and main circuit



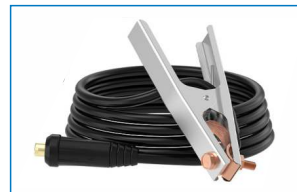
### TECHNICAL DATA

KG Model	CUT-200 CNC	CUT-300 CNC	CUT-400 CNC
Rated Input Voltage	3PH 380V	3PH 380V	3PH 380V
Rated Input Capacity	41.7KVA	66.7KVA	94.4KVA
Real output Amper	200A	300A	400A
Inverting Frequency	20KHz	20KHz	20KHz
OCV	341V	365V	365V
Duty Cycle (40°)	60%	60%	60%
Arc Method	HF, non-touch	HF, non-touch	HF, non-touch
Quality Manual Cutting Thickness	CS:70mm SS:35mm AL:35mm	CS:90mm SS:45mm AL:45mm	CS:100mm SS:50mm AL:50mm
Max Manual Cutting Thickness	CS:75mm SS:40mm AL:40mm	CS:95mm SS:50mm AL:50mm	CS:110mm SS:60mm AL:60mm
Piercing Cutting Thickness	CS:25mm SS:18mm AL:18mm	CS:35mm SS:25mm AL:25mm	CS:45mm SS:30mm AL:30mm
Efficiency	80%	80%	80%
Protection Class	IP21S	IP21S	IP21S
Input Power Cable Diameter	/	/	/
Output Power Cable Diameter	35mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
LxWxH	680*355*960mm	680*355*960mm	750*445*1040mm
Net Weight	82KG	93KG	120KG



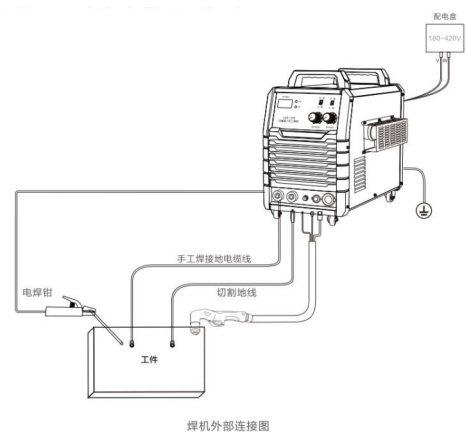
HF  
AIR BUILT IN

- ◆ DC INVERTER
- ◆ High frequency arc rising
- ◆ CUT / MMA 2 IN 1
- ◆ After blow time adjustable
- ◆ 2T / 4T
- ◆ built-in Air/outer Air switch knob
- ◆ Capable to cut all metals
- ◆ Quality cutting thickness: 10mm,  
Max thickness: 15 mm



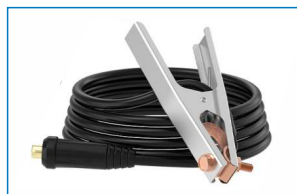
## TECHNICAL DATA

KG Model	CUT-50AIR
Rated Input Voltage	1PH 220V
Rated Input Capacity	7.8KVA
Real output Amper	CUT: 40A; MMA: 160A
Inverting Frequency	/
OCV	380V
Duty Cycle (40°)	40%
Arc Method	HF, touch
Power cooling method	Forced Air Cooling
Quality Manual Cutting Thickness	CS: 10mm SS: 10mm AL: 10mm
Max Manual Cutting Thickness	CS: 15mm SS: 15mm AL: 15mm
Electrode Diameter	10/carbon steel
Efficiency	90%
Protection Class	IP21S
Input Power Cable Diameter	≥ 4mm <sup>2</sup>
Output Power Cable Diameter	16mm <sup>2</sup> CCA
LxWxH	410*230*290mm
Net Weight	13.5KG



HF  
AIR BUILT IN

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overheat, Protection
- ◆ Automatically identify power supply voltage: 160-450V
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ Exclusive patent for air path cooling and filtering to avoid damage to the torch head
- ◆ CUT / MMA 2 IN 1
- ◆ Outer Air/Built in Air switch
- ◆ After blow time adjustable
- ◆ Capable to cut all metals



## TECHNICAL DATA

KG Model	CUT-60K-AIR	CUT-70K-AIR	CUT-80K-AIR
Rated Input Voltage	1PH 160V-250V 2PH 380V-420V	1PH 160V-250V 2PH 380V-420V	1PH 160V-250V 2PH 380V-420V 3PH 220V-250V 3PH 380V-450V
Rated Input Capacity	7.8KVA	8.8KVA	10.8KVA
Real output Amper	CUT-220V:40A CUT-380V:55A MMA-380V:160A	CUT-220V:50A CUT-380V:60A MMA-380V:180A	CUT-220V:55A CUT-380V:65A MMA-380V:200A
Inverting Frequency	28KHz	28KHz	28KHz
OCV	290V	290V	290V
Duty Cycle (40°)	45%	40%	100%
Arc Method	HF, non-touch	HF, non-touch	HF, non-touch
Power cooling method	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
Quality Manual Cutting Thickness	CS:15mm SS:5mm AL:5mm	CS:20mm SS:10mm AL:10mm	CS:22mm SS:10mm AL:10mm
Max Manual Cutting Thickness	CS:20mm SS:8mm AL:8mm	CS:25mm SS:10mm AL:10mm	CS:28mm SS:12mm AL:12mm
Electrode Diameter	2.5-3.2mm	2.5-3.2mm	2.5-3.2mm
Efficiency	90%	90%	90%
Protection Class	IP21S	IP21S	IP21S
Input Power Cable Diameter	≥ 4mm <sup>2</sup>	≥ 4mm <sup>2</sup>	≥ 4mm <sup>2</sup>
Output Power Cable Diameter	25mm <sup>2</sup> CCA	25mm <sup>2</sup> CCA	16mm <sup>2</sup> CCA
LxWxH	430*230*375mm	490*240*420mm	540*320*500mm
Net Weight	19KG	26.6KG	30KG

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overheat Protection
- ◆ High frequency arc rising
- ◆ Pilot arc
- ◆ Exclusive patent for air path cooling and filtering to avoid damage to the torch head
- ◆ CUT / MMA 2 IN 1
- ◆ Outer Air / Built in Air switch
- ◆ After blow time adjustable
- ◆ Capable to cut all metals
- ◆ 2T / 4T
- ◆ Trolley with air compressor

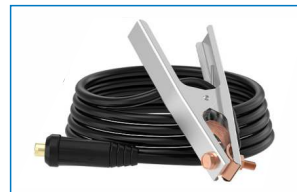
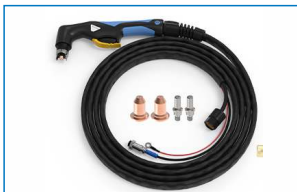


### TECHNICAL DATA

KG Model	CUT-105T	CUT-125T	CUT-165T
Rated Input Voltage	1PH 160-250V 2PH 320-440V 3PH 160-250V 3PH 320-440V	3PH 380V	3PH 380V
Rated Input Capacity	15.1KVA	17.8KVA	22.5KVA
Real output Amper	CUT: 85A/MMA: 220A	CUT: 105A/MMA: 250A	CUT: 125A/MMA: 300A
Inverting Frequency	28KHz	28KHz	28KHz
OCV	300V	310V	310V
Duty Cycle (40°)	60%	60%	60%
Arc Method	HF, non-touch	HF, non-touch	HF, non-touch
Power cooling method	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
Quality Manual Cutting Thickness	CS:30mm SS:15mm AL:15mm	CS:35mm SS:18mm AL:18mm	CS:40mm SS:20mm AL:20mm
Max Manual Cutting Thickness	CS:35mm SS:18mm AL:18mm	CS:45mm SS:25mm AL:25mm	CS:45mm SS:25mm AL:25mm
Electrode Diameter	2.5-4.0mm	2.5-5.0mm	2.5-5.0mm
Efficiency	90%	90%	90%
Protection Class	IP21S	IP21S	IP21S
Input Power Cable Diameter	≥6mm <sup>2</sup>	≥6mm <sup>2</sup>	≥6mm <sup>2</sup>
Output Power Cable Diameter	16mm <sup>2</sup> CU	16mm <sup>2</sup> CU	16mm <sup>2</sup> CU
LxWxH	540*630*610mm	540*630*610mm	580*710*670mm
Net Weight	51KG	60KG	68KG

NO HF

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overheat, overheat Protection
- ◆ Low frequency arc rising
- ◆ Pilot ARC
- ◆ Mash Cutting/Marking
- ◆ On demand Fan
- ◆ Euro central connection welcome



## TECHNICAL DATA

KG Model	CutMaster-45
Rated Input Voltage	1PH 220V
Rated Input Power	4.9KVA
Max Input Current	34A
Duty Cycle	60%
No-Load Voltage	330V
Adjustable Current Range	10-45A
Arc Ignition Mode	NO HF, untouch
Gas Pressure Range	0.3-0.5Mpa
Quality Manual Cutting Thickness	CS:20mm SS:14mm AL:12mm
Piercing Cutting Thickness	/
MAX Manual Cutting Thickness	20mm
Machine Dimensions	407*160*280
Net Weight	7.3KG



NO HF

- ◆ DC INVERTER
- ◆ Undervoltage, overvoltage, overheat, overheat Protection
- ◆ Low frequency arc rising
- ◆ Pilot ARC
- ◆ Mash Cutting/Marking
- ◆ On demand Fan
- ◆ CNC connection welcome
- ◆ Euro central connection welcome



## TECHNICAL DATA

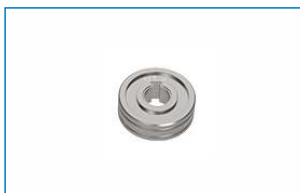
KG Model	CutMaster-65	CutMaster-85	CutMaster-105
Rated Input Voltage	3PH 380V	3PH 380V	3PH 380V
Rated Input Power	7.3KVA	11KVA	14.5KVA
Max Input Current	15A	20A	28A
Duty Cycle	60%	100%	100%
No-Load Voltage	350V	400V	420V
Adjustable Current Range	10-65A	20-85A	20-105A
Arc Ignition Mode	NO HF, untouch	NO HF, untouch	NO HF, untouch
Gas Pressure Range	0.3-0.6Mpa	0.3-0.6Mpa	0.3-0.6Mpa
Quality Manual Cutting Thickness	CS:28mm SS:24mm AL:20mm	CS:32mm SS:28mm AL:24mm	CS:44mm SS:40mm AL:36mm
Piercing Cutting Thickness	CS:15mm SS:10mm AL:10mm	CS:20mm SS:15mm AL:15mm	CS:25mm SS:18mm AL:18mm
MAX Manual Cutting Thickness	32mm	45mm	60mm
Machine Dimensions	407*160*280mm	600*230*460mm	670*325*605mm
Net Weight	12KG	26.5KG	30.5KG

Gouging

- ◆ DC INVERTER
- ◆ Submerged arc/Gouging/MMA



**STICK**



## TECHNICAL DATA

KG Model	MZ-630	MZ-1000	MZ-1250	MZ-1600
Input Volt	3PH 380V	3PH 380V	3PH 380V	3PH 380V
Rated Input Capacity	41.5KVA	51.5KVA	64.5KVA	98KVA
Real Output Amper	630A	1000A	1250A	1600A
Inverting Frequency	20KHz	20KHz	20KHz	20KHz
OCV	76V	78V	82V	82V
Duty Cycle	80%	80%	80%	60%
Wire Diameter	1.6-3.0mm	1.6-5.0mm	1.6-5.0mm	3.2-6.0mm
Carbon Rod Diameter	6-10mm	6-12mm	6-12mm	6-16mm
Efficiency	100%	100%	100%	100%
Insulation Class	F	F	F	F
Protection Class	IP21S	IP21S	IP21S	IP21S
Input Power Cable Diameter	≥50mm <sup>2</sup>	≥50mm <sup>2</sup>	≥50mm <sup>2</sup>	≥50mm <sup>2</sup>
Output Power Cable Diameter	90mm <sup>2</sup>	90mm <sup>2</sup>	90mm <sup>2</sup>	90mm <sup>2</sup>
Machine Dimensions	650*280*660mm	900*365*960mm	690*365*960mm	750*445*1040mm
Net Weight	56KG	82KG	90KG	120KG

## CAPACITOR DISCHARGED

- ◆ DC INVERTER
- ◆ Capacitor discharged stud welder
- ◆ 32Ah large-capacity lithium battery
- ◆ Two guns can work in turn, more than 5,000 insulation nails can be punched with a full charge
- ◆ Battery voltage monitoring, adjustable capacitor voltage, and realtime power display
- ◆ Built-in over-heat and Over-current protection



### TECHNICAL DATA

KG Model	RSR-5K	RSR-10K
Input Power Source	1PH 220V	1PH 220V
Input Power	150W	150W
Rated Storage Energy	800J	1000J
Battery Capacity	500WH	1000WH
Capacitance	94000UF	124000UF
Output Voltage	65V	65V
Charging Time	2S	2S
Welding Quantity	5000PCS	10000PCS
Welding Speed	15-45(PCS/MIN)	15-50(PCS/MIN)
Weldingbase Metal	Carbon steel, stainless steel, copper, aluminum, galvanized sheet, etc	Carbon steel, stainless steel, copper, aluminum, galvanized sheet, etc
Stud Length	5-270MM	5-270MM
Insulation Class	F	F
Dimension	340*190*330mm	390*215*370mm
Weight	10KG	12KG

## CAPACITOR DISCHARGED

- ◆ DC INVERTER
  - ◆ Capacitor discharged stud welder
  - ◆ Over-voltage, undervoltage, overheating, over-current protection
  - ◆ Carbon steel, stainless steel, galvanized sheet, copper, aluminum and other materials can be welded
  - ◆ Applicable to sheet metal engineering,
  - ◆ kitchenware and other industries
- For stud within M10



### TECHNICAL DATA

KG Model	RSR-2500	RSR-3500
Input Power Source	1PH 220V	1PH 220V
Rated Input Capacity	<1000KVA	<1000KVA
Rated Input Current	<10A	<10A
Capacitance	108000UF	180000UF
Output Voltage	40-190V	40-190V
Welding Energy	2000J	3200J
Stud Specification	M3-M8	M3-M10
Welding Speed	10-30(PCS/MIN)	10-30(PCS/MIN)
Weldingbase Metal	Carbon steel, stainless steel, copper, aluminum, galvanized sheet, etc	Carbon steel, stainless steel, copper, aluminum, galvanized sheet, etc
Stud Length	5-130mm	5-130mm
Insulation Class	F	F
Dimension	480*245*420mm	485*245*420mm
Weight	16KG	20KG



- ◆ DC INVERTER
- ◆ Pull-Arc STUD
- ◆ For stud more than M13

## PULL-ARC STUD



## TECHNICAL DATA

KG Model	RSN-2500X	RSN-2500	RSN-3150
Input Power Source	3PH 380V	3PH 380V	3PH 380V
Rated Input Capacity	97KVA	121KVA	141KVA
Rated Input Current	147A	185A	214A
No-Load Voltage	90V	103V	103V
Maximum Length of ground cable	30m	30m	30m
Duty Cycle	15%	15%	15%
Current Adjustment Range	300-2000A	300-2500A	300-3150A
Welding Stud Diameter	6-19mm	13-25mm	13-32mm
Weldingbase Time	0.3-3S	0.3-5S	0.3-5S
Stud Length	≤400	≤400	≤400
Efficiency	90%	90%	90%
Protection Class	IP21S	IP21S	IP21S
Dimension	690*390*760mm	680*355*960mm	750*445*1040mm
Weight	75KG	110KG	120KG

## TIG/MIG/CUT/MMA

- ◆ Spool gun / HF TIG / MIG / CUT / MMA 4 IN 1
- ◆ TIG:190A;MIG:190A;CUT:50A;MMA:190A
- ◆ Gas check function; Memory function;
- ◆ Foot pedal control ampere up/down

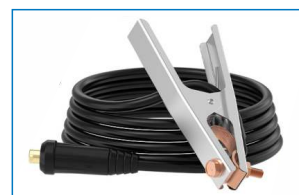


## TECHNICAL DATA

KG Model	TMC-200
Rated Input Voltage	1PH 220V
Input Capacity	7.9KVA
Inverter Frequency	40KHz
I1max/max input amper	36A
Output Volt	MIG: 16-22V; MMA: 20.8-26.4V; HF TIG: 10.6-16.4V; CUT: 88-96V
Real Current Range	MIG: 40-160A; MMA: 20-160A; HF TIG: 15-160A; CUT: 20-40A
Duty Cycle	30%
OCV	60V
Recommend Electrode Diameter	0.8/1.0mm
Efficiency	83%
Insulation Class	F
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	25A
Output welding cable	20mm <sup>2</sup>
Machine Dimension	475*195*385mm
Net Weight	10.5KG

## PULSE TIG/CUT/MMA

- ◆ PULSE TIG / CUT / MMA 3 IN 1
- ◆ PULSE TIG:200A;CUT:50A;MMA:180A
- ◆ Torch cut,quality cut 10mm, max cut 18mm

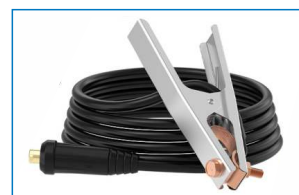


## TECHNICAL DATA

KG Model	TC-200P
Rated Input Voltage	1PH 220V
Input Capacity	9.2KVA
Inverter Frequency	40KHz
I1max/max input amper	42A
Output Volt	MIG:16-24V;MMA:20.8-27.2V;HF TIG:10.6-18V;CUT:88-100V
Real Current Range	MIG:40-200A;MMA:20-180A;HF TIG:15-200A;CUT:20-50A
Duty Cycle	30%
OCV	60V
Recommend Electrode Diameter	0.8/1.0mm
Efficiency	83%
IP	F
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	30A
Output welding cable	25mm <sup>2</sup>
Machine Dimension	490*205*365mm
Net Weight	8.5KG

## PULSE TIG/CUT/MMA

- ◆ PULSE TIG / CUT / MMA 3 IN 1
- ◆ PULSE TIG:200A;CUT:50A;MMA:180A
- ◆ Torch cut,quality cut 10mm, max cut 18mm



### TECHNICAL DATA

KG Model	TC-200TP
Rated Input Voltage	1PH 220V
Input Capacity	9.2KVA
Inverter Frequency	40KHz
I1max/max input amper	42A
Output Volt	MIG: 16-24V; MMA: 20.8-27.2V; HF TIG: 10.6-18V; CUT: 88-100V
Real Current Range	MIG: 40-200A; MMA:20-180A; HF TIG: 15-200A; CUT: 20-50A
Duty Cycle	30%
OCV	60V
Recommend Electrode Diameter	0.8/1.0mm
Efficiency	83%
Insulation Class	F
Working Temperature	-10~+40°C
Input power cable	2.5mm <sup>2</sup>
Power switch	30A
Output welding cable	25mm <sup>2</sup>
Machine Dimension	490*205*365mm
Net Weight	8.2KG



## Wire Remote Control

- ◆ control ARC welder
- ◆ amper up/down

WR-20M



- ◆ control TIG welder
- ◆ amper up/down

## Foot Pedal

FT-10M



## TROLLEY

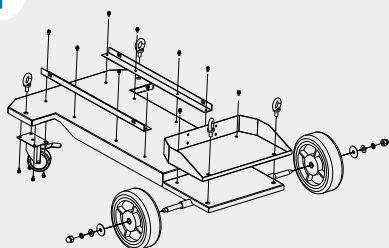
- ◆ Max bearing weight 117kg
- ◆ Heavy-Duty hooks

### Trolley

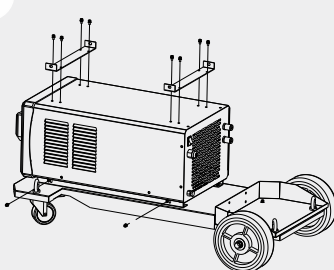


### TROLLEY(ALL IN ONE)

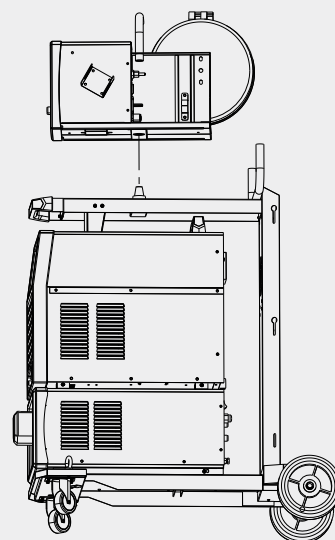
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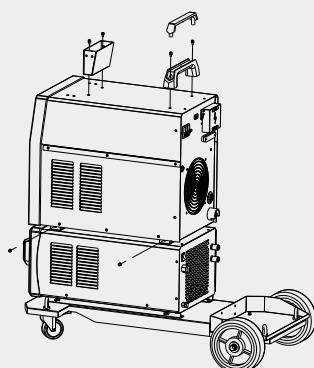
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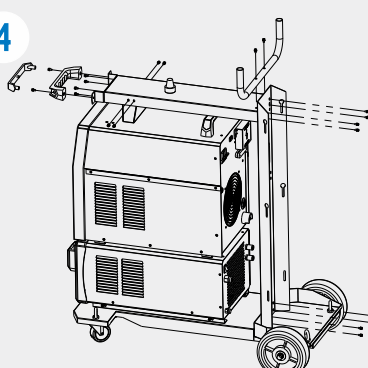
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3



4



## Wire Feeder

YH-500-Open



YH-500-close



## Welding Guns

## MIG/MAG Welding Guns





- ◆ We provide a comprehensive range of welding accessories, including electrode holders (welding clamps) in multiple specifications, plasma cutting torches, TIG welding torches, gas regulators, and high-conductivity ground clamps — ensuring safe, efficient, and professional welding and cutting performance across diverse industrial environments.

## Electrode Holders (Welding Clamps)



## Hand



## CNC Plasma Cutting Torches



## TIG Welding Torches



## Other Welding Accessories



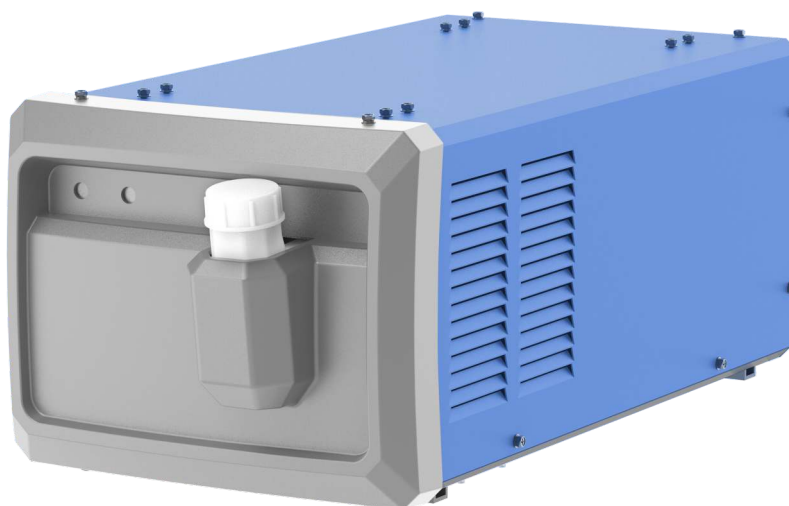
## COOLING WATER TANKS

- ◆ Equipped with temperature control display and water shortage alarm.
- ◆ Voltage can be selected as 220V or 380V.

## Water Cooler-10L(Separate)



## Water Cooler-10L(All in one)



# KeyGree

B U S I N E S S C A T A L O G U E