PONEY®
THE ART OF WELDING

website website catalog

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amfori Trade with purpose
BSCI Business Social Compliance Initiative
ISO ISO:9001

PONEY®
THE ART OF WELDING

WELDING MACHINE

浙江普尔尼机电股份有限公司
ZHEJIANG PONEY ELECTRIC CO.,LTD.

CATALOG

2026



About us

PONEY Limited is an ISO 9001 and BSCI certified manufacturer of welding machines, air plasma cutters and car battery chargers. Backed by solid welding expertise, advanced facilities and strict quality testing, we provide high-quality, reliable products for civil, light and heavy industries.
Founded in 2009, we run a fully integrated system covering manufacturing, R&D, after-sales service and logistics. Our 18,000 m² facility features automated assembly lines, professional labs and PCB/SMD workshops, supporting full in-house production from raw materials to finished goods.
We will spare no effort to live up to your trust and keep forging ahead to meet your expectations.

location
TAIZHOU·CHINA

workshop area
20,000m²

employees
150+

services
OEM/ODM

production capacity
40,000+ units /month



Think Global, Pursue Excellence

Product Portfolio

PONEY provides diversified professional welding solutions tailored to different markets and customer requirements.
Our main product range includes MIG welders, MMA welders, TIG welders, plasma cutters CUT and car BATTERY CHARGERS, covering industrial, semi-industrial and household-grade demands.
The high-end welding series adopts cutting-edge welding technology to meet high-efficiency and professional-standard welding applications.
Suitable for distribution, wholesale, supermarket retail and engineering projects, our products deliver cost-effective complete solutions for global clients.



Culture & Advantages

CORE CONCEPT
Customer-focused : fast response, practical solutions,maximum value

VALUES
Craftsmanship Excellence
Customer First
Innovation Driven

MISSION
Empowering global manufacturing with precision welding technology
Delivering efficient, reliable equipment and integrated solutions

VISION
Build a globally trusted welding brand

DEVELOPMENT STRATEGY
Strong OEM/ODM expertise, developing our own brands with a global vision

SERVICE GUARANTEE
Provide efficient, professional and attentive after-sales service with prompt response and full support

STRONG R&D
Diverse product portfolio and robust R&D capacity enable us to fully meet market demands across the Americas, Europe, the Middle East and Southeast Asia

INTEGRATED MANUFACTURING
Integrated manufacturing with in-house production of sheet metal, powder coating, PCB assembly, and key components, ensuring full-process quality control

PROFESSIONAL TECHNICAL SUPPORT
A dedicated technical team provides one-to-one, end-to-end support with fast response to customization needs

CONSTANT INNOVATION
Ongoing design updates and constant technological innovation

CERTIFIED QUALITY
ISO 9001 & BSCI certified, with products fully compliant with energy efficiency certification, CE, ETL, RoHS and other international standards

CONTINUOUS INNOVATION
We launch 3-5 patented new models annually, empowering customers to build distinct competitive advantages

STRICT QUALITY CONTROL
Robust QA & QC system with 10 in-process inspections and 100% finished product testing

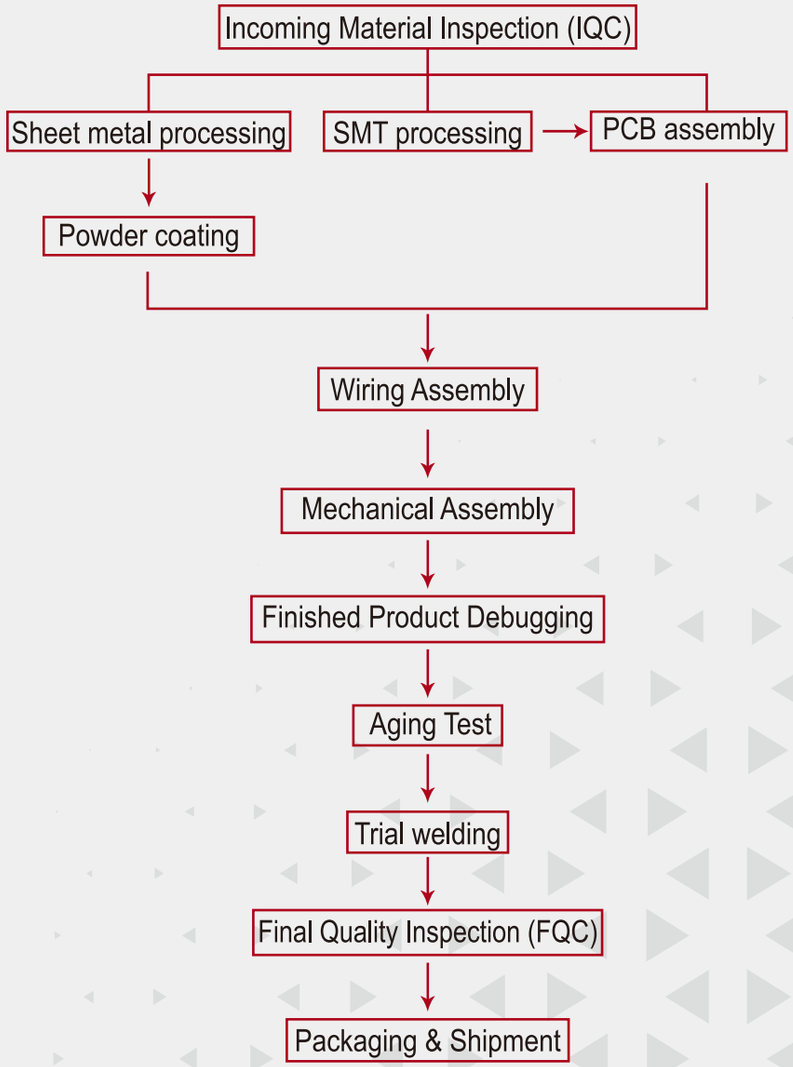
Certificate

PONEY enterprise is able to assure its clients the very best in terms of quality, reliability and safety. The sound management and expertise of technology secured the possession of all the most important product certifications BSCI, ISO, CE, GS, ETL, CCC , ROHS, and others.



Process Flow

Our company operates a fully integrated, in-house production system, with manufacturing and management processes certified to ISO 9001 and BSCI standards. Rigorous testing and inspection are conducted at every stage to ensure consistent high quality, reliable performance, and efficient delivery for all products.



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CUT — AIR PLASMA CUTTING WELDING MACHINE — P 41~43

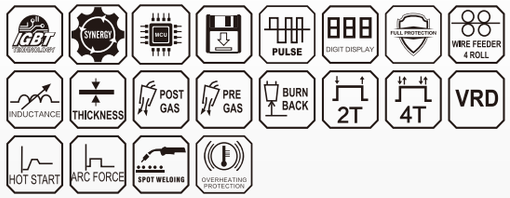
CHARGER — CAR BATTERY CHARGER — P 45~50

➤ MAGICMIG-350DP
➤ MAGICMIG-500DP



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT module for maximum durability and reliable heavy-duty operation
- Optional with/without water cooling
- Separate wire feeder for remote welding
- Stores/recalls up to 20 welding jobs
- 5 quick-access programs via torch trigger
- Multi-process:
  MANUAL MIG
  SYNERGIC MIG
  SINGLE PULSE MIG
  DOUBLE PULSE MIG
  STT (HIGH SPEED SINGLE PULSE MIG)
  STT (HIGH SPEED DOUBLE PULSE MIG)
  LIFT TIG
  MMA
- LED digital display
- Multiple functions : VRD, 2T/4T, Special 4T, welding thickness selection, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, phase loss protection,gas checking , wire checking
- Rugged & robust structure.Trolley-mounted with movable wheels for easy mobility



Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/308/304), aluminum (4043/5356), CuSi3 and galvanized steel, this multi-process welding machine delivers consistent, high-quality welds across automotive, shipbuilding, pipeline, structural steel, heavy machinery and other semi-industrial & heavy industrial applications.

Parameters

ITEM \ MODEL	MAGICMIG-350DP	MAGICMIG-500DP
Power input(V)	380V ± 15% ,50/60Hz	
Input capacity(kVA)	18	27
No-load voltage (V)	70	70
Current range (A)	20-350	20-500
Wire diameter (mm)	0.8-1.4	0.8-1.6
Electrode diameter(mm)	1.6-8.0	1.6-8.0
Wire spool max (kg)	20	20
Duty cycle (%)	100%@40℃	100%@40℃
Protection degree	IP-23	IP-23
Insulation grade	F	F

➤ EXPMIG-350
➤ EXPMIG-500

MIG(GMAW)
INVERTER MIG WELDING MACHINE



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT module for maximum durability and reliable heavy-duty operation
- Optional with/without water cooling
- Separate wire feeder for remote welding
- Multi-process:
  MIG
  FLUX
  GOUGING
  MMA
- LED digital display
- Multiple functions : VRD, 2T/4T,inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection.gas checking , wire checking
- Rugged & robust structure.Trolley-mounted with movable wheels for easy mobility



Applications

Ideal for premium carbon steel welding, this multi-process welding machine excels in diverse heavy-duty industrial applications, including light/medium/heavy steel structures, construction steel components, heavy machinery parts, containers, sheet metal fabrication, pipelines, shipbuilding,and weld gouging/repair operations.

Parameters

VOLTAGE OPTIONS: 3PH-380V / 3PH-220/380/440V

ITEM \ MODEL	EXPMIG-350	EXPMIG-500
Power input(V)	380V ± 15% ,50/60Hz	
Input capacity(kVA)	15.5	20
No-load voltage (V)	73	73
Current range (A)	20-350	20-500
Wire diameter (mm)	0.8-1.4	0.8-1.6
Electrode diameter(mm)	1.6-8.0	1.6-8.0
Wire spool max (kg)	20	20
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-23	IP-23
Insulation grade	F	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

- MIG-350NF
- MIG-500NF

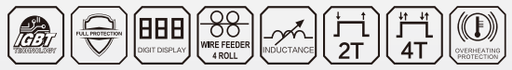


Technology & features

- Inverter technology , analog professional control
- High-performance IGBT module for maximum durability and reliable heavy-duty operation
- Separate wire feeder for remote welding
- Multi-process:
  MIG
  FLUX
  MMA
- LED digital display
- Multiple functions & protections: 2T/4T, inductance adjustment, crater current adjustment , crater voltage adjustment , over current protection,low voltage protection, thermal protection, gas/wire testing.
- Rugged & robust structure,Trolley-mounted with movable wheels for easy mobility

Applications

Ideal for premium carbon steel welding, this multi-process machine excels in diverse heavy-duty industrial applications, including light/medium/heavy steel structures, construction steel components, heavy machinery parts, containers, sheet metal fabrication, pipelines and shipbuilding.



Parameters

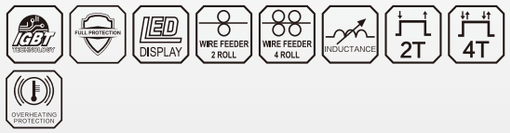
ITEM \ MODEL	MIG-350NF	MIG-500NF
Power input(V)	380V ± 15% ,50/60Hz	
Input capacity(kVA)	16	28
No-load voltage (V)	68	72
Current range (A)	20-350	20-500
Wire diameter (mm)	0.8-1.4	0.8-1.6
Electrode diameter(mm)	1.6-8.0	1.6-8.0
Wire spool max (kg)	20	20
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-23	IP-23
Insulation grade	F	F

- MIG-250XP
- MIG-300XP
- MIG-350XP



Applications

A versatile multi-process welder for premium carbon steel, ideal for metal fabrication, structural steel and construction welding, and perfectly suited for semi-industrial and heavy industrial applications.



Technology & features

- Inverter technology, micro processing, intelligent synergic control
- High-performance IGBT transistor for maximum durability
- Integrated wire feeder
- Multi-process:
  MIG
  FLUX
  LIFT TIG
  MMA
- LED 6" screen display
- Multiple functions & protections: 2T/4T, inductance adjustment, crater current adjustment, crater voltage adjustment, over current protection, low voltage protection, thermal protection, gas testing, wire inch.
- Rugged & robust structure, trolley-mounted with movable wheels for easy mobility

VOLTAGE OPTIONS
- 1PH-220V
- 3PH-380V
- 3PH-220/380/440V

Parameters

ITEM \ MODEL	MIG-250XP	MIG-300XP	MIG-350XP
Power input(V)	380V ± 15% ,50/60Hz		
Input capacity(kVA)	9.5	12.5	13.6
No-load voltage (V)	70	70	70
Current range (A)	20-250	20-300	20-350
Wire diameter (mm)	0.8-1.2	0.8-1.2	0.8-1.2
Electrode diameter(mm)	1.6-5.0	1.6-6.0	1.6-8.0
Wire spool max (kg)	15	15	15
Duty cycle (%)	40%@40℃	40%@40℃	40%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

- MIG-250R
- MIG-300R
- MIG-350R

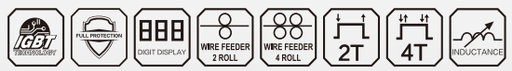


Technology & features

- Inverter technology, micro processing, intelligent synergic control
- High-performance IGBT transistor for maximum durability
- Integrated wire feeder
- Multi-process:
  MIG
  FLUX
  LIFT TIG
  MMA
- LED digital display
- Multiple functions & protections: 2T/4T, inductance adjustment, crater current adjustment, crater voltage adjustment, over current protection, low voltage protection, thermal protection, gas testing, wire inch.
- Rugged & robust structure, trolley-mounted with movable wheels for easy mobility

Applications

A versatile multi-process welder for premium carbon steel, ideal for metal fabrication, structural steel and construction welding, and perfectly suited for semi-industrial and heavy industrial applications.



Parameters

VOLTAGE OPTIONS: 1PH-220V / 3PH-380V / **3PH-220/380/440V**

ITEM \ MODEL	MIG-250R	MIG-300R	MIG-350R
Power input(V)		380V ± 15% ,50/60Hz	
Input capacity(kVA)	9.5	12.5	13.6
No-load voltage (V)	70	70	70
Current range (A)	20-250	20-300	20-350
Wire diameter (mm)	0.8-1.2	0.8-1.2	0.8-1.2
Electrode diameter(mm)	1.6-5.0	1.6-6.0	1.6-8.0
Wire spool max (kg)	15	15	15
Duty cycle (%)	40%@40℃	40%@40℃	40%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

- MIG-200N
- MIG-250N

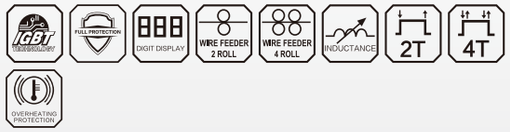
MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

A versatile multi-process welder for premium carbon steel, ideal for metal fabrication, structural steel and construction welding, and perfectly suited for light industrial , semi-industrial and heavy industrial applications.



Technology & features

- Inverter technology , analog professional control
- High-performance IGBT module for maximum durability and reliable heavy-duty operation
- Integrated wire feeder
- Multi-process:
  MIG
  FLUX
  MMA
- LED digital display
- Multiple functions & protections:inductance adjustment, thermal protection, wire inch.
- Rugged & robust structure,Trolley-mounted with movable wheels for easy mobility

Parameters

VOLTAGE OPTIONS: 1PH-220V / 3PH-380V / **1PH-220/3PH-380V**

ITEM \ MODEL	MIG-200N	MIG-250N
Power input(V)	220V ± 15% ,50/60Hz	380V ± 15% ,50/60Hz
Input capacity(kVA)	7	9.5
No-load voltage (V)	56	56
Current range (A)	20-200	20-230
Wire diameter (mm)	0.8-1.2	0.8-1.2
Electrode diameter(mm)	1.6-4.0	1.6-5.0
Wire spool max (kg)	5	15
Duty cycle (%)	40%@40℃	40%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

➤ MIG-200DP LCD

➤ MIG-250DP LCD

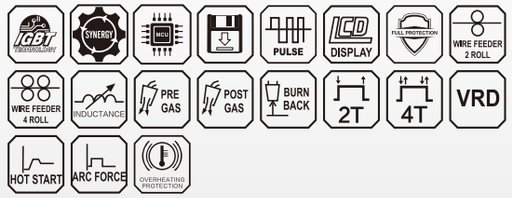


Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliable heavy-duty operation
- Integrated wire feeder
- Stores/recalls up to 35 welding jobs
- Multi-process:
  MANUAL MIG
  SYNERGIC MIG
  SINGLE PULSE MIG
  DOUBLE PULSE MIG
  LIFT TIG
  MMA
- LCD display
- Multiple functions : VRD, 2T/4T, Special 4T, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, gas checking , wire checking
- Rugged & robust structure.Trolley-mounted with movable wheels for easy mobility

Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/308/304), aluminum (4043/5356), CuSi3 and galvanized steel, this multi-process welding machine delivers consistent, high-quality welds across automotive, shipbuilding, pipeline, structural steel,etc, and other light industrial , semi-industrial & heavy industrial applications.



Parameters

VOLTAGE OPTIONS
- 1PH-220V
- 3PH-380V
- 1PH-220/3PH-380V

ITEM \ MODEL	MIG-200DP LCD	MIG-250DP LCD
Power input(V)	220V ± 15% ,50/60Hz	380V ± 15% ,50/60Hz
Input capacity(kVA)	7	9.5
No-load voltage (V)	60	60
Current range (A)	20-200	20-250
Wire diameter (mm)	0.8-1.2	0.8-1.2
Electrode diameter(mm)	1.6-4.0	1.6-5.0
Wire spool max (kg)	5	15
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

Intertek CE RoHS COMPLIANT

➤ MIG-200DP LED

➤ MIG-250DP LED

MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/308/304), aluminum (4043/5356), and galvanized steel, this multi-process welding machine delivers consistent, high-quality welds across automotive, shipbuilding, pipeline, structural steel,etc, and other light industrial , semi-industrial & heavy industrial applications.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliable heavy-duty operation
- Integrated wire feeder
- Stores/recalls up to 35 welding jobs
- Multi-process:
  MANUAL MIG
  SYNERGIC MIG
  SINGLE PULSE MIG
  DOUBLE PULSE MIG
  LIFT TIG
  MMA
- LED digital display
- Multiple functions : VRD, 2T/4T, Special 4T, welding thickness selection, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, gas checking , wire checking
- Rugged & robust structure.Trolley-mounted with movable wheels for easy mobility

Parameters

VOLTAGE OPTIONS
- 1PH-220V
- 3PH-380V
- 1PH-220/3PH-380V

ITEM \ MODEL	MIG-200DP LED	MIG-250DP LED
Power input(V)	220V ± 15% ,50/60Hz	380V ± 15% ,50/60Hz
Input capacity(kVA)	7	9.5
No-load voltage (V)	60	60
Current range (A)	20-200	20-250
Wire diameter (mm)	0.8-1.2	0.8-1.2
Electrode diameter(mm)	1.6-4.0	1.6-5.0
Wire spool max (kg)	5	15
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

Intertek CE RoHS COMPLIANT

MIG-250STT

INVERTER MIG WELDING MACHINE



Technology & features

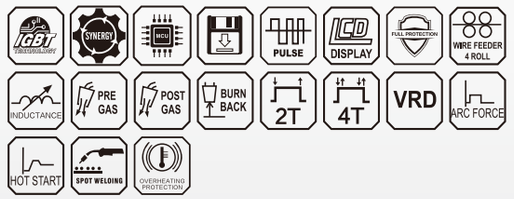
- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Stores/recalls up to 20 welding jobs
- Portable design
- Multi-process:

SYNERGIC MIG
SINGLE PULSE MIG
DOUBLE PULSE MIG
STT (HIGH SPEED SINGLE PULSE MIG)
STT (HIGH SPEED DOUBLE PULSE MIG)
STT (HIGH SPEED MIG)
STT (HIGH SPEED VERTICAL WELDING)
STT (HIGH SPEED ROOT WELDING)
STT (HIGH SPEED COLD WELDING)
LIFT TIG
MMA

- LCD display
- Multiple functions : VRD, 2T/4T, Special 4T, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, gas checking , wire checking

Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/ 308/304), aluminum (4043/5356), CuSi3 and galvanized steel, this portable, versatile multi-process welder powered by advanced inverter technology and high-performance IGBT excels in high-precision, heavy-duty welding for semi-industrial and heavy industrial applications including automotive manufacturing, sheet metal fabrication and structural steel fabrication.



VOLTAGE OPTIONS
- 1PH-220V
- 3PH-380V
- 1PH-220/3PH-380V

Parameters

ITEM \ MODEL	MIG-250STT
Power input(V)	380V ± 15% ,50/60Hz
Input capacity(kVA)	9.5
No-load voltage (V)	60
Current range (A)	20-250
Wire diameter (mm)	0.8-1.2
Electrode diameter(mm)	1.6-5.0
Wire spool max (kg)	15
Duty cycle (%)	60%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek Intertek CE RoHS COMPLIANT

MIG-200STT

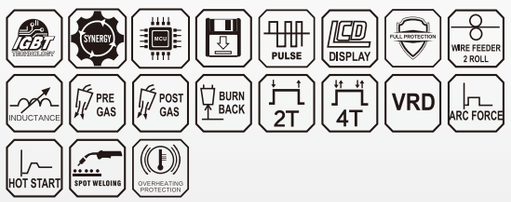
MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/ 308/304), aluminum (4043/5356), CuSi3 and galvanized steel, this portable, versatile multi-process welder powered by advanced inverter technology and high-performance IGBT excels in high-precision, heavy-duty welding for light to semi-industrial applications including automotive manufacturing, sheet metal fabrication and structural steel fabrication.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Stores/recalls up to 20 welding jobs
- Portable design
- Multi-process:

SYNERGIC MIG
SINGLE PULSE MIG
DOUBLE PULSE MIG
STT (HIGH SPEED SINGLE PULSE MIG)
STT (HIGH SPEED DOUBLE PULSE MIG)
STT (HIGH SPEED MIG)
STT (HIGH SPEED VERTICAL WELDING)
STT (HIGH SPEED ROOT WELDING)
STT (HIGH SPEED COLD WELDING)
LIFT TIG
MMA

- LCD display
- Multiple functions : VRD, 2T/4T, Special 4T, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, gas checking , wire checking

Parameters

ITEM \ MODEL	MIG-200STT
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	7.0
No-load voltage (V)	70
Current range (A)	20-200
Wire diameter (mm)	0.8-1.2
Electrode diameter(mm)	1.6-4.0
Wire spool max (kg)	5
Duty cycle (%)	60%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek Intertek CE RoHS COMPLIANT

MIG(GMAW)

INVERTER MIG WELDING MACHINE

➤ MIG-200DP-X

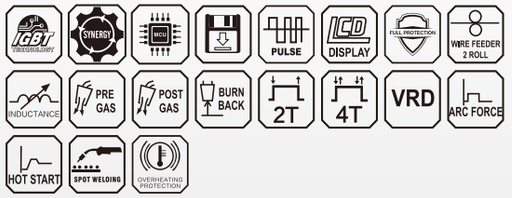


Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Stores/recalls up to 35 welding jobs
- Portable design
- Multi-process:
  MANUAL MIG
  SYNERGIC MIG
  SINGLE PULSE MIG
  DOUBLE PULSE MIG
  SPOT WELDING
  LIFT TIG
  MMA
- LCD display
- Multiple functions : VRD, 2T/4T, Special 4T, inductance adjustment, hot start, arc force, burn back,pre-gas/post gas setting, over current protection, over voltage protection, thermal protection, gas checking , wire checking

Applications

With exceptional compatibility for carbon steel, stainless steel (ER316/ 308/304), aluminum (4043/5356), CuSi3 and galvanized steel, this portable, versatile multi-process welder powered by advanced inverter technology and high-performance IGBT excels in high-precision, heavy-duty welding for light to semi-industrial applications including automotive manufacturing, sheet metal fabrication and structural steel fabrication.



Parameters

ITEM \ MODEL	MIG-200DP-X
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	7.0
No-load voltage (V)	70
Current range (A)	20-200
Wire diameter (mm)	0.8-1.2
Electrode diameter(mm)	1.6-4.0
Wire spool max (kg)	5
Duty cycle (%)	60%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek Intertek CE RoHS COMPLIANT

➤ MIG-160AM
➤ MIG-180AM
➤ MIG-200AM

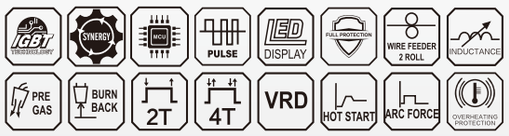
MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

With exceptional compatibility for carbon steel, aluminum (4043/5356), this portable, versatile multi-process welder powered by advanced inverter technology and high-performance IGBT excels in light to semi-industrial applications .



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design
- Multi-process:
  MANUAL MIG
  SYNERGIC MIG
  SINGLE PULSE MIG
  FLUX
  LIFT TIG
  MMA
- LED screen display
- Compatible for wire spool gun
- Multiple functions : VRD, 2T/4T, inductance , hot start, arc force, burn back, pre-gas setting, soft wire feeding ,thermal protection, gas checking , wire checking

Parameters

VOLTAGE OPTIONS 1PH-220V 1PH-110/220V

ITEM \ MODEL	MIG-160AM	MIG-180AM	MIG-200AM
Power input(V)		220V ± 15% ,50/60Hz	
Input capacity(kVA)	5.5	6.4	7
No-load voltage (V)	60	60	60
Current range (A)	20-160	20-180	20-200
Wire diameter (mm)	0.6-1.2	0.6-1.2	0.6-1.2
Electrode diameter(mm)	1.6-3.2	1.6-4.0	1.6-4.0
Wire spool max (kg)	5	5	5
Duty cycle (%)	40%@40℃	40%@40℃	40%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

Intertek Intertek CE RoHS COMPLIANT

MIG(GMAW)

INVERTER MIG WELDING MACHINE

- MIG-180PRO
- MIG-200PRO

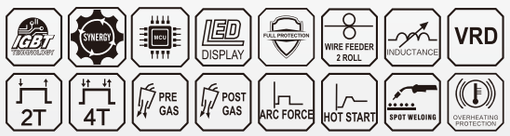


Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design
- Multi-process:
  - **MANUAL MIG**
  - **SYNERGIC MIG**
  - **SPOT WELDING**
  - **FLUX**
  - **LIFT TIG**
  - **MMA**
- LED screen display
- Multiple functions : VRD, 2T/4T, inductance , hot start, arc force, burn back,
- pre-gas setting, soft wire feeding ,thermal protection, gas checking , wire checking

Applications

With exceptional compatibility for carbon steel, aluminum (4043/5356), this portable, versatile multi-process welder powered by advanced inverter technology and high-performance IGBT excels in light to semi-industrial applications .



Parameters

ITEM \ MODEL	MIG-180PRO	MIG-200PRO
Power input(V)	220V ± 15% ,50/60Hz	
Input capacity(kVA)	6.4	7
No-load voltage (V)	60	60
Current range (A)	20-180	20-200
Wire diameter (mm)	0.8-1.0	0.8-1.0
Electrode diameter(mm)	1.6-4.0	1.6-4.0
Wire spool max (kg)	5	5
Duty cycle (%)	40%@40℃	40%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

- MIG-140SNY
- MIG-160SNY
- MIG-180SNY
- MIG-200SNY

MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

A versatile multi-process welder for premium carbon steel, optional single pulse MIG for aluminum (4043/5356) , excellent welding performance, perfectly suited for light as well as semi-industrial applications.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design
- Multi-process:
  - **SYNERGIC MIG**
  - **FLUX**
  - **SINGLE PULSE MIG (optional)**
  - **LIFT TIG**
  - **MMA**
- LED digital display
- Multiple functions : hot start, arc force, arc voltage adjustment , thermal protection,wire inch

Parameters

VOLTAGE OPTIONS ○ 1PH-220V ○ 1PH-110/220V

ITEM \ MODEL	MIG-140SNY	MIG-160SNY	MIG-180SNY	MIG-200SNY
Power input(V)	220V ± 15% ,50/60Hz			
Input capacity(kVA)	4.5	5.5	6.4	7
No-load voltage (V)	60	60	60	60
Current range (A)	20-140	20-160	20-180	20-200
Wire diameter (mm)	0.8-1.0	0.8-1.0	0.8-1.0	0.8-1.0
Electrode diameter(mm)	1.6-3.2	1.6-3.2	1.6-4.0	1.6-4.0
Wire spool max (kg)	5	5	5	5
Duty cycle (%)	35%@40℃	35%@40℃	35%@40℃	35%@40℃
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

- MIG-160N1
- MIG-180N1
- MIG-200N1



Technology & features

- Inverter technology , analog professional control
- High-performance IGBT for maximum durability and reliability
- Portable design
- Multi-process:
  - **MIG**
  - **FLUX**
  - **MMA**
- LED digital display
- Multiple functions & protections:inductance adjustment, thermal protection,
- wire inch

Applications

A versatile multi-process welder for premium carbon steel, with high duty cycle and excellent welding performance, perfectly suited for light as well as semi-industrial applications.



Parameters

ITEM / MODEL	MIG-160N1	MIG-180N1	MIG-200N1
Power input(V)		220V ± 15% ,50/60Hz	
Input capacity(kVA)	5.5	6.4	7
No-load voltage (V)	56	56	56
Current range (A)	20-160	20-180	20-200
Wire diameter (mm)	0.6-1.2	0.6-1.2	0.6-1.2
Electrode diameter(mm)	1.6-3.2	1.6-4.0	1.6-4.0
Wire spool max (kg)	5	5	5
Duty cycle (%)	60%@40℃	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

Intertek Intertek CE RoHS COMPLIANT

- MIG-164CT

MIG(GMAW)

INVERTER MIG WELDING MACHINE



Applications

This all-in-one multi-process machine delivers excellent welding and cutting performance on carbon steel, and aluminum(4043/5356) . Ideal for maintenance and repair, sheet metal fabrication, construction, automotive work, pipeline jobs, onsite processing and general light to semi-industrial applications.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design
- Multi-process:
  - **SYNERGIC MIG**
  - **SINGLE PULSE MIG**
  - **FLUX**
  - **AIR PLASMA CUT**
  - **HF TIG**
  - **MMA**
- LED digital display
- Integrated gas regulator
- Multiple functions : High Frequency, hot start, arc force, arc voltage adjustment , thermal protection

Parameters

ITEM / MODEL	MIG-164CT
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	5.3
No-load voltage (V)	56
Current range (A)	MIG:30-160A, TIG:15-160A, MMA:20-160A, CUT:20-40A
Wire diameter (mm)	0.8-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	5
Duty cycle (%)	40%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek Intertek CE RoHS COMPLIANT

MIG(GMAW)

INVERTER MIG WELDING MACHINE

➤ MIG-145EX

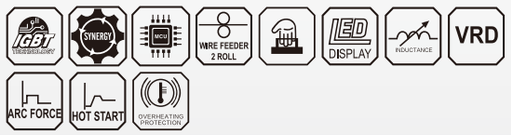


Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design, light weight for easy mobility
- Multi-process:
  - **MANUAL MIG**
  - **SYNERGIC MIG**
  - **FLUX**
  - **LIFT TIG**
  - **MMA**
- LED screen display
- Multiple functions : hot start, arc force, VRD , inductance , arc voltage adjustment , thermal protection

Applications

This mini MIG welder is tailored for light-duty small-scale welding, ideal for DIY metal fabrication, household/workshop repairs, outdoor tasks, automotive minor maintenance, small construction auxiliary work, etc. Perfect for thin-to-medium carbon steel welding, its portability makes it excel in mobile, small-batch and on-site light welding needs.



VOLTAGE OPTIONS
- 1PH-110V
- 1PH-220V
- 1PH-110/220V

Parameters

ITEM \ MODEL	MIG-145EX
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	4.6
No-load voltage (V)	56
Current range (A)	20-140
Wire diameter (mm)	0.6-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	5
Duty cycle (%)	30%@40℃
Protection degree	IP-21S
Insulation grade	F

➤ MIG-140EX



Applications

This mini MIG welder is tailored for light-duty small-scale welding, ideal for DIY metal fabrication, household/workshop repairs, outdoor tasks, automotive minor maintenance, small construction auxiliary work, etc. Perfect for thin-to-medium carbon steel welding, its portability makes it excel in mobile, small-batch and on-site light welding needs.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design, light weight for easy mobility
- Multi-process:
  - **MANUAL MIG**
  - **SYNERGIC MIG**
  - **FLUX**
  - **LIFT TIG**
  - **MMA**
- LED screen display
- Multiple functions : hot start, arc force, VRD , inductance , arc voltage adjustment , thermal protection

VOLTAGE OPTIONS
- 1PH-110V
- 1PH-220V
- 1PH-110/220V

Parameters

ITEM \ MODEL	MIG-140EX
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	4.5
No-load voltage (V)	56
Current range (A)	20-140
Wire diameter (mm)	0.6-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	1
Duty cycle (%)	30%@40℃
Protection degree	IP-21S
Insulation grade	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

➤ FCW-120EX



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design, light weight for easy mobility
- Multi-process:
  FLUX
  LIFT TIG
  MMA
- LED screen display
- Multiple functions : hot start, arc force, VRD , inductance , arc voltage adjustment , thermal protection

Applications

This compact multi-process welder delivers stable performance and is perfect for thin-to-medium carbon steel welding. Its portability makes it ideal for mobile, small-batch and on-site light welding tasks. It offers exceptional convenience for outdoor welding jobs with no gas supply, and is well suited for maintenance, repair, DIY projects and light fabrication.



VOLTAGE OPTIONS
- 1PH-110V
- 1PH-220V
- 1PH-110/220V

Parameters

ITEM / MODEL	FCW-120EX
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	3.5
No-load voltage (V)	56
Current range (A)	20-120
Wire diameter (mm)	0.6-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	1
Duty cycle (%)	30%@40℃
Protection degree	IP-21S
Insulation grade	F

➤ FCW-120RD



MIG(GMAW)

INVERTER MIG WELDING MACHINE

Applications

This compact multi-process welder delivers stable performance and is perfect for thin-to-medium carbon steel welding. Its portability makes it ideal for mobile, small-batch and on-site light welding tasks. It offers exceptional convenience for outdoor welding jobs with no gas supply, and is well suited for maintenance, repair, DIY projects and light fabrication.



Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliability
- Portable design, light weight for easy mobility
- Multi-process:
  FLUX
  LIFT TIG
  MMA
- Color-coded LED digital display ,Intuitive process identification via different display colors
- Multiple functions : hot start, arc force, VRD , arc voltage adjustment , thermal protection

VOLTAGE OPTIONS
- 1PH-220V
- 1PH-110/220V

Parameters

ITEM / MODEL	FCW-120RD
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	3.5
No-load voltage (V)	56
Current range (A)	20-120
Wire diameter (mm)	0.8-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	1
Duty cycle (%)	30%@40℃
Protection degree	IP-21S
Insulation grade	F

MIG(GMAW)

INVERTER MIG WELDING MACHINE

FLUX-120LP

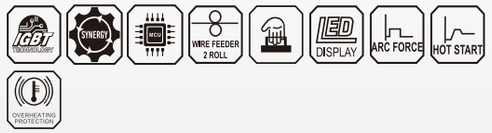


Technology & features

- Inverter technology ,micro processing ,intelligent synergic control
- High-performance IGBT for maximum durability and reliablity
- Portable design, light weight for easy mobility
- Multi-process:
  - **FLUX 0.8**
  - **FLUX 1.0**
  - **MMA**
  - **MMA PULSE**
  - **LIFT TIG**
- LED digital display
- Multiple functions : Thickness adjustment ,hot start, arc force, arc voltage adjustment , thermal protection

Applications

This compact multi-process welder delivers stable performance and is perfect for thin-to-medium carbon steel welding. Its portability makes it ideal for mobile, small-batch and on-site light welding tasks. It offers exceptional convenience for outdoor welding jobs with no gas supply, and is well suited for maintenance, repair, DIY projects and light fabrication.



Parameters

VOLTAGE OPTIONS ○ 1PH-110V ○ 1PH-220V

ITEM / MODEL	FLUX-120LP
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	3.5
No-load voltage (V)	56
Current range (A)	20-120
Wire diameter (mm)	0.8-1.0
Electrode diameter(mm)	1.6-3.2
Wire spool max (kg)	1
Duty cycle (%)	25%@40℃
Protection degree	IP-21S
Insulation grade	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

P-620



Technology & features

- Advanced inverter technology ,Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Distinctive handheld design with streamlined body and ergonomic grip
- Lightweight and compact structure for outstanding portability
- LED digital display with push-button controls for effortless operation
- High-temperature resistant housing
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick and thermal protection

Applications

This portable handheld welding machine features a lightweight design and is compatible with a wide range of electrodes. It is ideal for on-site repair, high-altitude work, and welding in confined spaces that traditional welding machines cannot easily reach. It is also perfect for hobbyists, DIY projects, home use, as well as workshop maintenance and small-scale fabrication.



Parameters

ITEM / MODEL	P-620
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	3.2
No-load voltage (V)	65
Current range (A)	20-110
Electrode diameter(mm)	1.6-2.5
Duty cycle (%)	25%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek RoHS COMPLIANT

P-820



Applications

This portable handheld welding machine features a lightweight design and is compatible with a wide range of electrodes. It is ideal for on-site repair, high-altitude work, and welding in confined spaces that traditional welding machines cannot easily reach. It is also perfect for hobbyists, DIY projects, home use, as well as workshop maintenance and small-scale fabrication.



Technology & features

- Advanced inverter technology ,Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Distinctive double handheld design with streamlined body and ergonomic grip
- Lightweight and compact structure for outstanding portability
- LED digital display with push-button controls for effortless operation
- High-temperature resistant housing
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD and thermal protection

Parameters

VOLTAGE OPTIONS 1PH-110V 1PH-220V

ITEM / MODEL	P-820
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	3.9
No-load voltage (V)	65
Current range (A)	20-120
Electrode diameter(mm)	1.6-3.2
Duty cycle (%)	25%@40℃
Protection degree	IP-21S
Insulation grade	F

Intertek RoHS COMPLIANT

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- SPIRIT-100
- SPIRIT-120
- SPIRIT-140



Technology & features

- Advanced inverter technology
- High-performance IGBT for maximum durability and reliability
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, and thermal protection

Applications

Ideal for light-duty welding tasks: household repairs, DIY metalwork, hobby projects, small workshop jobs, and on-site temporary repairs. Compatible with **E6010,E6013, E7018,** and more electrodes, it easily handles thin-to-medium carbon steel and low-alloy steel, covering all your daily welding needs with great flexibility.



Parameters

VOLTAGE OPTIONS 1PH-110V 1PH-220V

ITEM / MODEL	SPIRIT-100	SPIRIT-120	SPIRIT-140
Power input(V)		220V ± 15% ,50/60Hz	
Input capacity(kVA)	3.2	3.9	4.5
No-load voltage (V)	70	70	70
Current range (A)	20-100	20-120	20-140
Electrode diameter(mm)	1.6-2.5	1.6-3.2	1.6-3.2
Duty cycle (%)	25%@40℃	25%@40℃	20%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- MMA-160T



Applications

Ideal for light-duty welding tasks: household repairs, DIY metalwork, hobby projects, small workshop jobs, and on-site temporary repairs. Compatible with **E6010,E6013, E7018,** and more electrodes, it easily handles thin-to-medium carbon steel and low-alloy steel, covering all your daily welding needs with great flexibility.



Technology & features

- Advanced inverter technology , Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD ,and thermal protection

Parameters

ITEM / MODEL	MMA-160T
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	5.5
No-load voltage (V)	70
Current range (A)	20-160
Electrode diameter(mm)	1.6-4.0
Duty cycle (%)	25%@40℃
Protection degree	IP-21S
Insulation grade	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- MMA-180SiC
- MMA-200SiC
- MMA-220SiC



Technology & features

- Advanced inverter technology,Digital signal processing
- Built with high-performance Silicon Carbide (SiC) MOSFET for maximum durability and reliability
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process capability:
  MMA
  TIG Lift
- Energy-efficient
- Fast arc ignition, stable output and smooth arc for superior welding results
- Intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD and overheat protection

Applications

The SiC MOSFET MMA welder supports a wide range of welding electrodes, including mainstream types such as **E6013, E6010, E6011, E7018** and **E7014**, as well as low-hydrogen and basic electrodes.
It easily works with thin-to-medium carbon steel and low-alloy steel, offering excellent flexibility to meet all daily welding demands. It delivers smooth welding performance even with hard-to-run electrodes, ensuring stable and reliable results for various light and medium-duty welding tasks.



Parameters

ITEM \ MODEL	MMA-180SiC	MMA-200SiC	MMA-220SiC
Power input(V)		220V ± 15% ,50/60Hz	
Input capacity(kVA)	6.5	7.0	7.6
No-load voltage (V)	68-100	68-100	68-100
Current range (A)	20-180	20-200	20-220
Electrode diameter(mm)	1.6-4.0	1.6-5.0	1.6-5.0
Duty cycle (%)	60%@40℃	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

MMA(SMAW)

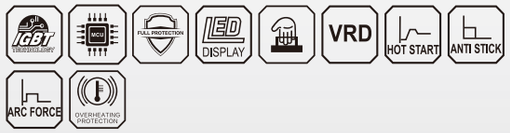
INVERTER MMA WELDING MACHINE

- iARC-140SKN
- iARC-160SKN
- iARC-180SKN
- iARC-200SKN



Applications

Ideal for light-duty welding tasks: household repairs, DIY metalwork, hobby projects, small workshop jobs, and on-site temporary repairs. it easily handles thin-to-medium carbon steel and low-alloy steel, covering all your daily welding needs with great flexibility.



Technology & features

- Advanced inverter technology ,Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD ,and thermal protection

Parameters

VOLTAGE OPTIONS 1PH-220V / 1PH-110/220V

ITEM \ MODEL	iARC-140SKN	iARC-160SKN	iARC-180SKN	iARC-200SKN
Power input(V)		220V ± 15% ,50/60Hz		
Input capacity(kVA)	4.5	5.5	6.5	7.0
No-load voltage (V)	65	65	65	65
Current range (A)	20-140	20-160	20-180	20-200
Electrode diameter(mm)	1.6-3.2	1.6-4.0	1.6-4.0	1.6-5.0
Duty cycle (%)	30%@40℃	30%@40℃	30%@40℃	30%@40℃
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- iARC-140
- iARC-160
- iARC-180
- iARC-200



Technology & features

- Advanced inverter technology ,Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD ,and thermal protection

Applications

Ideal for light-duty welding tasks: household repairs, DIY metalwork, hobby projects, small workshop jobs, and on-site temporary repairs, it easily handles thin-to-medium carbon steel and low-alloy steel, covering all your daily welding needs with great flexibility.



Parameters

VOLTAGE 1PH-220V
OPTIONS 1PH-110/220V

ITEM \ MODEL	iARC-140	iARC-160	iARC-180	iARC-200
Power input(V)	220V ± 15% ,50/60Hz			
Input capacity(kVA)	4.5	5.5	6.5	7.0
No-load voltage (V)	65	65	65	65
Current range (A)	20-140	20-160	20-180	20-200
Electrode diameter(mm)	1.6-3.2	1.6-4.0	1.6-4.0	1.6-5.0
Duty cycle (%)	30%@40℃	30%@40℃	30%@40℃	30%@40℃
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- iARC-140EMC
- iARC-160EMC
- iARC-180EMC
- iARC-200EMC
- iARC-225EMC



Applications

Ideal for light-duty welding tasks: household repairs, DIY metalwork, hobby projects, small workshop jobs, and on-site temporary repairs. Compatible with **E6010,E6013, E7018,** and more electrodes, it easily handles thin-to-medium carbon steel and low-alloy steel, covering all your daily welding needs with great flexibility.



Technology & features

- Advanced inverter technology, Digital signal processing
- High-performance IGBT for maximum durability and reliability
- Enhanced EMC filter for stable performance in harsh electrical environments
- Lightweight and compact structure for outstanding portability
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Energy efficient and high performance
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD, EMC, thermal protection

Parameters

VOLTAGE 1PH-220V
OPTIONS 1PH-110/220V

ITEM \ MODEL	iARC-140EMC	iARC-160EMC	iARC-180EMC	iARC-200EMC	iARC-225EMC
Power input(V)	220V ± 15% ,50/60Hz				
Input capacity(kVA)	4.5	5.5	6.5	7.0	7.8
No-load voltage (V)	68	68	68	68	68
Current range (A)	20-140	20-160	20-180	20-200	20-220
Electrode diameter(mm)	1.6-3.2	1.6-4.0	1.6-4.0	1.6-5.0	1.6-6.0
Duty cycle (%)	30%@40℃	30%@40℃	30%@40℃	30%@40℃	30%@40℃
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F	F

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- MMA-220MAX
- MMA-250MAX



Technology & features

- Advanced inverter technology
- High-performance IGBT for maximum durability and reliability
- Energy-saving and efficient operation, strong anti-interference capacity for reliable welding in complex power environments.
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Fast dynamic response and excellent welding performance, featuring minimal spatter, smooth neat weld beads, high strength
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD and thermal protection
- Unique dust-free cabinet design to increase service life of circuit board

Applications

Rugged & robust construction perfectly suited for light and heavy industries,mainly applied in steel structure, construction engineering, equipment maintenance, hardware manufacturing and field repair work. It fits various manual arc welding demands for carbon steel and alloy steel.



Parameters

ITEM \ MODEL	MMA-220MAX	MMA-250MAX
Power input(V)	220V ± 15% ,50/60Hz	380V ± 15% ,50/60Hz
Input capacity(kVA)	9.0	9.5
No-load voltage (V)	68	68
Current range (A)	20-220	20-240
Electrode diameter(mm)	1.6-5.0	1.6-6.0
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

Intertek Intertek CE RoHS COMPLIANT

- MMA-320MAX
- MMA-400MAX
- MMA-500MAX

MMA(SMAW)

INVERTER MMA WELDING MACHINE



Applications

Rugged & robust construction perfectly suited for light and heavy industries,mainly applied in steel structure, construction engineering, equipment maintenance, hardware manufacturing and field repair work. It fits various manual arc welding demands for carbon steel and alloy steel.



Technology & features

- Advanced inverter technology
- High-performance IGBT for maximum durability and reliability
- Energy-saving and efficient operation, strong anti-interference capacity for reliable welding in complex power environments.
- LED digital display
- Multi-process:
  MMA
  TIG LIFT
- Fast dynamic response and excellent welding performance, featuring minimal spatter, smooth neat weld beads, high strength
- Fast arc ignition, stable output and smooth arc for excellent welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD and thermal protection
- Unique dust-free cabinet design to increase service life of circuit board

Parameters

ITEM \ MODEL	MMA-320MAX	MMA-400MAX	MMA-500MAX
Power input(V)		380V ± 15% ,50/60Hz	
Input capacity(kVA)	14	19.5	25
No-load voltage (V)	68	68	68
Current range (A)	20-320	20-400	20-500
Electrode diameter(mm)	1.6-6.0	1.6-6.0	1.6-8.0
Duty cycle (%)	60%@40℃	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

Intertek Intertek CE RoHS COMPLIANT

MMA(SMAW)

INVERTER MMA WELDING MACHINE

- MMA-300SiC
- MMA-500SiC

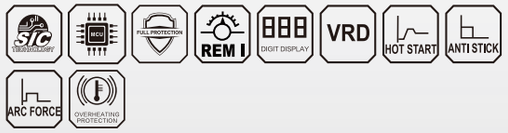


Technology & features

- Advanced inverter technology,Digital signal processing
- Built with high-performance Silicon Carbide (SiC) MOSFET for maximum durability and reliability
- LED digital display
- Multi-process capability:
  MMA
  TIG Lift
- Energy-efficient
- Optional Off-line current adjustment function. Operators can conveniently adjust output current onsite via the controller fitted on the cable
- TIG Repeat Welding.Enable repeated welding and multi-layer surfacing to enhance weld quality and surface finish
- Fast dynamic response and excellent welding performance, featuring minimal spatter, smooth neat weld beads, high strength
- Fast arc ignition, stable output and smooth arc for superior welding results
- Multiple intelligent functions: Hot Start, Arc Force, Anti-Stick, VRD and thermal protection

Applications

The SiC MOSFET MMA welder is compatible with a wide range of welding electrodes, including mainstream types such as **E6013, E6010, E6011, E7018** and **E7014**, as well as low-hydrogen and basic electrodes. it is well suited for both light and heavy industrial scenarios. It is widely used in steel structure fabrication, construction engineering, equipment maintenance, hardware manufacturing and on-site repair work, and meets diverse manual arc welding requirements for carbon steel and alloy steel.



Parameters

ITEM / MODEL	MMA-300SiC
Power input(V)	380V ± 15% ,50/60Hz
Input capacity(kVA)	12.5
No-load voltage (V)	68-100
Current range (A)	20-300
Electrode diameter(mm)	1.6-6.0
Duty cycle (%)	60%@40℃
Protection degree	IP-21S
Insulation grade	F

INVERTER TIG WELDING MACHINE

TIG-160E



Technology & features

- Advanced inverter control technology
- High-performance IGBT , ensuring high durability and stable operation
- Lightweight, compact and portable design for easy carrying
- LED digital display
- High-frequency HF arc starting, easy ignition
- Multi-process functions:
  TIG
  MMA
- Power-saving design with high working efficiency
- Fast arc ignition, steady current output and soft arc, delivering smooth welding seams
- Overheat protection

Applications

This multifunctional TIG/MMA welding machine is widely suitable for stainless steel, carbon steel, alloy steel and thin plate welding. Ideal for daily maintenance, sheet metal fabrication, pipeline engineering,and small-scale industrial processing. With easy operation and stable welding performance, it meets the welding demands of workshops, construction sites and household use.



Parameters

ITEM / MODEL	TIG-160E
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	5.7
No-load voltage (V)	65
Current range (A)	10-160
Electrode diameter(mm)	1.6-3.2
Tungsten needle range (mm)	1.6/2.0/2.4
Duty cycle (%)	35%@40℃
Protection degree	IP-21S
Insulation grade	F

TIG-200i

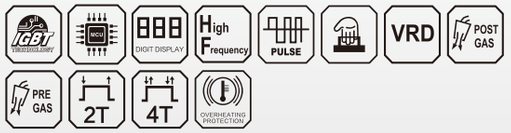


TIG(GTAW)

INVERTER TIG WELDING MACHINE

Applications

This multi-functional welding machine perfectly suited for stainless steel, carbon steel, thin plate and precision component welding. Widely applied in decoration, sheet metal processing, pipeline installation, daily maintenance and small industrial workshop use, meeting diversified light-duty welding demands.



Technology & features

- Advanced inverter control technology, digital signal processing
- High-performance IGBT , ensuring high durability and stable operation
- Lightweight, compact and portable design for easy carrying
- LED digital display
- High-frequency HF arc starting, easy ignition
- Multi-process functions:
  TIG
  TIG pulse
  MMA
  Cold welding
- Power-saving design with high working efficiency
- Fast arc ignition, steady current output and soft arc, delivering smooth welding seams
- Multifunctions : 2T/4T, VRD , interval time adjustment , pre gas , post gas , Overheat protection

Parameters

ITEM / MODEL	TIG-200i
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	6.5
No-load voltage (V)	65
Current range (A)	10-200
Electrode diameter(mm)	1.6-4.0
Tungsten needle range (mm)	1.6/2.0/2.4/3.2
Duty cycle (%)	35%@40℃
Protection degree	IP-21S
Insulation grade	F

TIG-200Pro

INVERTER TIG WELDING MACHINE



Technology & features

- Advanced inverter control technology, digital signal processing
- High-performance IGBT , ensuring high durability and stable operation
- Lightweight, compact and portable design for easy carrying
- LED digital display
- Supports storage and recall of up to 20 customized welding programs
- High-frequency HF arc starting, easy ignition
- Multi-process functions:
  TIG
  TIG pulse
  TIG lift
  MMA
  Cold welding
  CLEAN
- Power-saving design with high working efficiency
- Wide voltage adaptability, strong anti-interference
- Fast arc ignition, steady current output and soft arc, delivering smooth welding seams
- Multifunctions : 2T/4T, VRD ,hot start , arc force ,interval time adjustment , pre gas , post gas ,remote control , Overheat protection

Applications

This versatile TIG welder excels in precision metal fabrication and repair. widely applicable for carbon steel, stainless steel, nickel alloys and titanium, suitable for pressure vessels and structural parts. Compact and highly adaptable, it is ideal for mold repair, jewelry processing, medical parts production and various high-precision welding applications in ligh and semi industries.



Parameters

ITEM / MODEL	TIG-200PRO
Power input(V)	110-220V ± 15% ,50/60Hz
Input capacity(kVA)	6.5
No-load voltage (V)	65
Current range (A)	10-200
Electrode diameter(mm)	1.6-4.0
Tungsten needle range (mm)	1.6/2.0/2.4/3.2
Duty cycle (%)	35%@40℃
Protection degree	IP-21S
Insulation grade	F

EZTIG-200AC/DC

INVERTER TIG WELDING MACHINE



Applications

This versatile AC/DC TIG welder specializes in high-precision fabrication and metal repair. Its DC output delivers concentrated heat for deep penetration on carbon steel, stainless steel, titanium and alloy materials, ideal for pressure vessels and structural welding. AC mode efficiently cleans and welds aluminum and aluminum alloys with outstanding results. Built-in pulse function precisely controls heat input, effectively reducing thermal deformation and burn-through for thin sheets and complex workpieces.



Technology & features

- Advanced inverter control technology, digital signal processing
- High-performance IGBT , ensuring high durability and stable operation
- Lightweight, compact and portable design for easy carrying
- LED digital display
- High-frequency Harc starting, easy ignition
- Multi-process functions:
  TIG DC
  TIG AC
  MMA
- Power-saving design with high working efficiency
- Fast arc ignition, steady current output and soft arc, delivering smooth welding seams
- Overheat protection

Parameters

ITEM / MODEL	EZTIG-200AC/DC
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	6.5
No-load voltage (V)	65
Current range (A)	10-200
Electrode diameter(mm)	1.6-4.0
Tungsten needle range (mm)	1.6/2.0/2.4/3.2
Duty cycle (%)	35%@40℃
Protection degree	IP-21S
Insulation grade	F

TIG(GTAW)

INVERTER TIG WELDING MACHINE

➤ **TIG-250AC/DC**
➤ **TIG-280AC/DC**

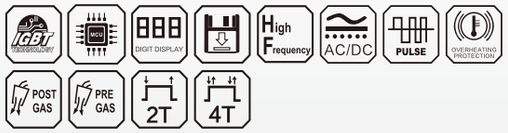


Technology & features

- Advanced inverter control technology, digital signal processing
- High-performance IGBT , ensuring high durability and stable operation
- Lightweight, compact and portable design for easy carrying
- LED digital display
- Storage and recall of customized welding programs
- High-frequency HF arc starting, easy ignition
- Multi-process functions:
  TIG
  TIG pulse
  MMA
  SPOT welding
- Power-saving design with high working efficiency
- Fast arc ignition, steady current output and soft arc, delivering smooth welding seams
- Multifunctions : 2T/4T, pre gas , post gas ,Overheat protection

Applications

This industrial-grade multi-process welder ensures stable output and long-term operational reliability, suitable for demanding welding projects.It deliver clean, smooth welds with accurate heat regulation. Energy-efficient and fully protected against overheating, it works steadily on carbon steel, stainless steel aluminum and alloys. Perfect for machinery manufacturing, sheet metal fabrication, pipeline engineering and daily industrial maintenance.



Parameters

ITEM \ MODEL	TIG-250AC/DC	TIG-280AC/DC
Power input(V)	220V ± 15% ,50/60Hz	
Input capacity(kVA)	6.5	7.0
No-load voltage (V)	65	65
Current range (A)	10-200	10-220
Electrode diameter(mm)	1.6-4.0	1.6-5.0
Tungsten needle range (mm)	1.6/2.0/2.4/3.2	1.6/2.0/2.4/3.2
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

CUT(AIR PLASMA)

INVERTER CUTTING MACHINE

- CUT-40S
- IACUT-40S



Technology & features

- IGBT inverter technology — stable, dependable cutting power
- Lightweight, compact design
- LED digital display
- HF high-frequency arc start for easy ignition
- Smart silent cooling fan
- Two cutting modes — standard and grid cutting
- Steady arc, smooth current, clean cuts every time
- 2T/4T trigger modes, pilot arc, and overheat protection
- Optional built-in air compressor for incredible convenience

Applications

This compact plasma cutter is built for high-performance metal cutting across diverse applications, making it ideal for professional workshops, sheet metal fabrication, construction sites, automotive repair shops, and DIY projects. It delivers clean, smooth cuts on carbon steel, stainless steel, aluminum, and other conductive metals.



Parameters

ITEM / MODEL	CUT-40S/IACUT-40S
Power input(V)	220V ± 15% ,50/60Hz
Input capacity(kVA)	6.4
No-load voltage (V)	310
Current range (A)	20-40
Cutting thickness (mm)	1-20
Air pressure (bar)	2-3
Duty cycle (%)	40%
Protection degree	IP-21S
Insulation grade	F

Intertek Intertek CE RoHS COMPLIANT

- CUT-60

CUT(AIR PLASMA)

INVERTER CUTTING MACHINE



Applications

This compact plasma cutter is engineered for high-performance metal cutting across a wide range of light to semi-industrial applications. It is ideal for professional workshops, sheet metal fabrication, construction sites, automotive repair shops, and hobbyist projects, delivering clean, smooth cuts on carbon steel, stainless steel, aluminum, and other conductive metals.



Technology & features

- Advanced inverter IGBT technology for stable performance and durability
- Lightweight, compact design with carrying handle for easy transport
- LED digital display for clear parameter reading
- HF high-frequency arc start for easy ignition
- Energy-saving design with high working efficiency
- Fast arc ignition, steady current output for smooth cutting
- Built-in pressure gauge and gas regulator
- Multi-functions :Pilot arc function,2T/4T , Overheat protection

Parameters

ITEM / MODEL	CUT-60	
Power input(V)	220V ± 15% ,50/60Hz	380V ± 15% ,50/60Hz
Input capacity(kVA)	6.6	7.5
No-load voltage (V)	300	300
Current range (A)	20-60	20-60
Cutting thickness (mm)	1-20	1-20
Air pressure (bar)	4-5.5	4-5.5
Duty cycle (%)	60%@40℃	60%@40℃
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

Intertek Intertek CE RoHS COMPLIANT

CUT(AIR PLASMA)

INVERTER CUTTING MACHINE

IACUT-100



Technology & features

- Advanced inverter IGBT technology for stable performance and durability
- LED digital display for clear parameter reading
- HF high-frequency arc start for easy ignition
- Multi process
  CUT
  MMA
- Energy-saving design with high working efficiency
- Fast arc ignition, steady current output for smooth cutting
- Built-in air compressor
- Multi-functions :Pilot arc function , Overheat protection
- With moving wheels

Applications

The high-power plasma cutter is built for heavy-duty industrial metal cutting applications, designed to handle the demands of metal fabrication shops, structural steel processing, shipyards, and manufacturing facilities. With its robust output, it efficiently cuts through thick carbon steel, stainless steel, aluminum, etc , making it ideal for large-scale projects such as structural steel trimming, heavy plate cutting, shipbuilding and repair, pipeline construction, and metal recycling yards. It is widely used in semi-industrial to industrial environments, including metalworking workshops, heavy equipment manufacturing.



Parameters

ITEM / MODEL	IACUT-100
Power input(V)	380V ± 15% ,50/60Hz
Input capacity(kVA)	17
No-load voltage (V)	310
Current range (A)	CUT:20-100, MMA:20-250
Cutting thickness (mm)	1-30
Air pressure (bar)	4-4.5
Duty cycle (%)	60%
Protection degree	IP-21S
Insulation grade	F

CAR BATTERY CHARGER

- CHG-15
- CHG-30
- CHG-50





Technology & features

- Inverter IGBT Technology for stable, efficient charging
- Compatible with AGM, GEL, and flooded (WET) lead-acid batteries
- LED display
- Supports both 12V and 24V battery systems
- Fast, efficient charging with automatic shutoff when fully charged
- Simple, user-friendly operation with adjustable current control
- Lightweight, portable design for easy use in workshops or on-site
- Built-in thermal and over-current protection for safe operation

Applications

This portable smart battery charger is designed for automotive, marine, and light commercial use, supporting 12V/24V AGM, GEL, and flooded batteries. Ideal for cars, motorcycles, trucks,ATVs boats, and workshop maintenance, it delivers safe, reliable charging in both on-site and DIY scenarios.

Parameters

ITEM / MODEL	CHG-15	CHG-30	CHG-50
Power input(V)		380V ± 15% ,50/60Hz	
Rated power input (W)	150	480	600
Charging current (A)	1-5	1-20	1-25
Charging voltage (V)	12/24	12/24	12/24
Charging capacity (Ah)	20-120	20-250	20-300
Protection degree	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F

CAR BATTERY CHARGER

- CHG-400ST
- CHG-500ST
- CHG-600ST
- CHG-800ST



Applications

This portable smart battery charger is designed for automotive, marine, and light commercial use, supporting 12V/24V AGM, GEL, and flooded batteries. Ideal for cars,utomotive, motorcycle, trucks,ATVs boats, and workshop maintenance, it delivers safe, reliable charging in both on-site and DIY scenarios.

Technology & features

- Inverter IGBT Technology for stable, efficient charging
- Multi-function :
  CHARGING
  STARTGING
- Compatible with AGM, GEL, and flooded (WET) lead-acid batteries
- LED display
- Supports both 12V and 24V battery systems
- Fast, efficient charging with automatic shutoff when fully charged
- Simple, user-friendly operation with adjustable current control
- Lightweight, portable design for easy use in workshops or on-site
- Built-in thermal and over-current protection for safe operation

Parameters

ITEM / MODEL	CHG-400ST	CHG-500ST	CHG-600ST	CHG-800ST
Power input(V)		220V ± 15% ,50/60Hz		
Rated power input (W)	960	1200	1500	1950
Boost power consumption (W)	5800	8700	11000	15000
Charging current (A)	1-40	1-50	1-60	1-80
Starting current (A)	240	360	450	600
Charging voltage (V)	12/24	12/24	12/24	12/24
Charging capacity (Ah)	20-700	20-800	20-1000	20-1200
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F

CAR BATTERY CHARGER

- CB-15
- CB-20
- CB-30
- CB-50



Technology & features

- Professional charging for lead-acid batteries
- Analog Meter
- Supports both 12V and 24V battery systems
- Fast, efficient charging
- Simple, user-friendly operation
- portable design

Applications

This compact battery charger is designed for light-duty automotive and small equipment applications, making it ideal for cars, motorcycles, ATVs, lawn tractors, and small boats. It is widely used in home garages, small workshops, and DIY maintenance scenarios, delivering reliable charging for everyday vehicles and light commercial use.

Parameters

ITEM / MODEL	CB-15	CB-20	CB-30	CB-50
Power input(V)	220V ± 15% ,50/60Hz			
Rated power input (W)	150	200	400	500
Charging current (A)	1-7	1-12	1-20	1-25
Charging voltage (V)	12/24	12/24	12/24	12/24
Charging capacity (Ah)	20-120	20-200	20-250	20-300
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F

CAR BATTERY CHARGER

- CD-30R
- CD-50R



Applications

This compact battery charger is designed for light-duty automotive and small equipment applications, ideal for both charging and jump-starting cars, motorcycles, ATVs, lawn tractors, and small boats. It is widely used in home garages, small workshops, and DIY maintenance scenarios, delivering reliable performance for everyday vehicles and light commercial use.

Technology & features

- Professional charging for lead-acid batteries
- Dynamic starting function
- Analog Meter
- Supports both 12V and 24V battery systems
- Fast, efficient charging& starting
- Simple, user-friendly operation
- portable design

Parameters

ITEM / MODEL	CD-30R	CD-50R
Power input(V)	220V ± 15% ,50/60Hz	
Rated power input (W)	400	600
Charging current (A)	1-30	1-50
Starting current (A)	80	180
Charging voltage (V)	12/24	12/24
Charging capacity (Ah)	20-400	20-700
Protection degree	IP-21S	IP-21S
Insulation grade	F	F

CAR BATTERY CHARGER

- CD-300
- CD-400
- CD-500
- CD-600
- CD-800



Technology & features

- Heavy-duty wheeled design for easy mobility in workshops and service bays
- Professional charging & emergency jump-starting for lead-acid batteries
- Clear analog meter for real-time current monitoring
- Compatible with both 12V and 24V battery systems
- Fast, efficient charging performance
- Simple, user-friendly controls for straightforward operation
- Built-in timer with alarm function
- Robust construction for long-term, heavy-use reliability

Applications

This heavy-duty wheeled battery charger and jump starter is designed for professional automotive and workshop use, ideal for auto repair shops, fleet maintenance facilities, and light industrial applications. It reliably charges and jump-starts cars, trucks, vans, buses, and heavy-duty vehicles with 12V/24V lead-acid batteries, supporting daily maintenance, emergency starting, and workshop charging needs for both passenger and commercial vehicles.

Parameters

ITEM \ MODEL	CD-300	CD-400	CD-500	CD-600	CD-800
Power input(V)	220V ± 15% ,50/60Hz				
Rated power input (W)	1000	1400	2000	2000	2200
Charging current (A)	1-30	1-40	1-50	1-60	1-80
Starting current (A)	180	240	360	540	650
Charging voltage (V)	12/24	12/24	12/24	12/24	12/24
Charging capacity (Ah)	20-500	20-700	20-800	20-1000	20-1200
Protection degree	IP-21S	IP-21S	IP-21S	IP-21S	IP-21S
Insulation grade	F	F	F	F	F

CAR BATTERY CHARGER

- CD-1000



Applications

This heavy-duty wheeled battery charger and jump starter is designed for professional automotive and workshop use, ideal for auto repair shops, fleet maintenance facilities, and light industrial applications. It reliably charges and jump-starts cars, trucks, vans, buses, and heavy-duty vehicles with 12V/24V lead-acid batteries, supporting daily maintenance, emergency starting, and workshop charging needs for both passenger and commercial vehicles.

Technology & features

- Heavy-duty wheeled design for easy mobility in workshops and service bays
- Professional charging & emergency jump-starting for lead-acid batteries
- Clear analog meter for real-time current monitoring
- Compatible with both 12V and 24V battery systems
- Fast, efficient charging performance
- Simple, user-friendly controls for straightforward operation
- Built-in timer with alarm function
- Robust construction for long-term, heavy-use reliability

Parameters

ITEM \ MODEL	CD-1000
Power input(V)	380V ± 15% ,50/60Hz
Rated power input (W)	2400
Charging current (A)	100
Starting current (A)	1000
Charging voltage (V)	12/24
Charging capacity (Ah)	20-1400
Protection degree	IP-21S
Insulation grade	F

FUNCTION TECHNOLOGY DESCRIPTION

SYNERGIC(SYN)
Automatic synergic program matches welding current, voltage and wire feed speed intelligently. One-knob setting for different material and thickness, simple operation and stable welding performance.

ANALOG
Analog mode adopts traditional manual independent adjustment of current and voltage. It allows full manual fine-tuning for experienced welders, suitable for customized welding craft and special material requirements.

STT (Surface Tension Transfer)
It is an advanced GMAW process that uses real-time waveform control to transfer molten metal via surface tension instead of explosive force. This results in minimal spatter, low heat input, and superior weld formation Highly adaptable and efficient, it is ideal for demanding applications including pipeline root welding, thin sheet fabrication, and single-pass double-side welding.

GOUGING
A high-efficiency metal removal process for weld root preparation, defect repair, groove cutting and surface cleaning in heavy industrial welding.

COLD WELD
Low heat input welding technology, small deformation, almost no spatter and no burn-through, ideal for thin carbon steel sheet precision welding.

CLEAN
Removes oxide film on aluminum and stainless steel surface, brightens the weld area, keeps welding seam clean and beautiful.

ROOT WELDING
It refers to the first weld layer at the joint root of pipes or thick plates. It realizes full penetration, seals the gap tightly, and serves as the base for follow-up fill welding and cover welding.

SPOT WELDING
Spot Welding is a timed welding mode with fixed welding duration. It realizes fast, uniform spot joints on thin sheets, avoids over-welding and burn-through, greatly improving welding efficiency for assembly work.

PRE GAS
Before arc starting, shielding gas flows in advance to expel air from the welding zone, avoid porosity and ensure clean welding quality.

POST GAS
After welding stops, shielding gas continues flowing for a while to protect the high-temperature weld bead from oxidation and discoloration.

INDUCTANCE
Adjusts current rising speed. Low inductance for stiff arc and less spatter; high inductance for soft arc, anti-burn through and beautiful weld shape.

BURN BACK
After wire feeding stops, keep power on briefly to melt the wire end cleanly, prevent sticking to contact tip and guarantee easy next ignition.

ARC VOLTAGE
Controls arc length and weld pool shape. Matches with wire feeding speed to stabilize the arc, obtain proper weld width and penetration.

2T
Welding begins when the torch push-button is pressed and ends when the push button is released.

4T
Welding begins when the torch push-button is pressed and released,and ends only when the torch push-button is pressed and released a second time.This mode is useful for long welding operations.

Special 4T
Special 4T is an advanced four-step welding mode. It controls pre-gas, slow wire start, welding current, and post-gas separately. Ideal for spot welding, interval welding and precise thin plate welding with stable arc and neat weld seam.

VRD
Reduces no-load voltage to a safe level in standby status, effectively preventing electric shock in wet, high-altitude and confined working environments.

HOT START
Instantly boosts current when striking the arc, makes ignition easier, prevents electrode sticking and ensures smooth welding startup.

ARC FORCE
Automatic current compensation when the arc shrinks, stabilizes the arc, avoids sticking electrode, perfect for vertical and overhead carbon steel welding.

ANTI-STICK
When the electrode accidentally sticks to the workpiece, the system automatically cuts down the output current instantly, making it easy to release the electrode and protect the machine and welding rod.

INTERVAL
Interval mode enables cyclic welding with adjustable welding time and pause time. It works automatically on and off repeatedly, ideal for regular intermittent welding, decorative welding and thin plate anti-deformation welding.

REPEAT WELDING
It is a multi-pass TIG process applying successive passes to the same joint, including root, fill, capping, repair, and cosmetic remelting. It ensures full penetration on thick plates, reduces distortion via distributed heat input, eliminates common defects, and delivers a smooth, uniform finish—ideal for stainless steel and aluminum welding.

For more technical support, please contact PONEY team