

Professional welding machine manufacturers

MMA



MIG



CUT



TIG

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NEW

HANDHELD WELDER SERIES

Professional welding machine manufacturers

Handheld CUT Welder 

Handheld CUT Welder



CUT



-Accessories



- ◆ Ergonomic design eliminates the "tired before use" problem of traditional welding machines.
- ◆ Lightweight body enables one-handed operation, offering greater flexibility for welding in narrow spaces or at height.

-Specifications

Model	CUT ⁴⁵ Handheld	CUT ⁴⁵ Handheld
Processes	CUT	CUT
Rated input Voltage(V)	1ph~110V	1ph~220V
Rated Output Current(A)	20A	40A
Duty Cycle(40°C)	20%	20%
Severe Cutting(mm)	4.0	4.0
Dimensions(mm)	224x99x256	224x99x256



PLASMA

Post-Flow in Plasma Cutting:

Torch Cooling

After cutting, the continued flow of gas helps cool the torch and its internal consumables. This prevents the torch from overheating and extends its lifespan.

Protection of in Plasma Cutting

Post-flow reduces the wear on the electrode and nozzle at high temperatures, thereby extending the life of these consumables. Continuous airflow helps quickly lower the temperature after cutting, preventing thermal damage.

Improved Cutting Quality

Maintaining proper gas flow during and after cutting ensures the cutting area remains clean and free from oxidation, thereby improving the cutting quality.

Prevention of Backfire

Continuing gas flow after cutting can prevent gas backflow and backfire within the torch, thus protecting the equipment and ensuring operator safety.

Cutting Current and Gas Pressure

Cutting Current Range(A)	Gas Pressure Range(Psi)	Post-Flow Time(Seconds)
20-34	40-45	5
35-45	45-50	8
46-55	50-55	10
56-80	55-60	12
81-100	60-65	15
101-130	65-70	18
131-160	70-75	20
161-180	75-80	22
181-200	80-85	25

Shielding Gas Type and Corresponding Cutting Metals

Shielding Gas Type	Corresponding Cutting Metals
Air	Carbon Steel / Stainless Steel / Aluminum
Oxygen	Carbon Steel / Aluminum
Nitrogen	Stainless Steel / Aluminum / Copper
Argon	Aluminum / Copper / Titanium
Argon-Hydrogen	Stainless Steel / Nickel Alloys



CUT
LOW
FREQUENCY



ADJUSTABLE
POST-FLOW
TIME



2T/4T



OVER-HEAT
PROTECTION

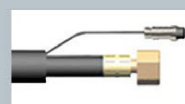
Product Parameters

Model	CUT- 40H
Input Voltage (V)	1~ 230
Frequency (Hz)	50/60
Output Current Range (A)	20-40
Absorbed Power (KVA)	5.1
Rated Input Current (A)	22.7
Effective Current (A)	14.4
No load Voltage (V)	300V±20%
	35%40A
Duty Cycle 40°C 10min	60%35A
	100%30A
Max Cut (Severance) (mm)	≤18
Clean Cut (mm)	≤12
Efficiency (%)	80
Power factor	0.72
Insulation Class	F
Protection Class	IP21S
Gross Weight (kg)	7.5KG
Product Dimensions(mm)	370x150x230
Packaging Dimensions(mm)	410x170x300

Standard accessories



CUT Torch



Gas Electrode Separation
Cable Assembly



Ground Clamp 2.5m



Barometer



Gas Hose 3m



Gas Hose 0.3m



Hose Clamp



Thread Seal Tape



CUT L

PROFI

1ph ~ 230V



CUT
LOW
FREQUENCY



POST-FLOW



2T/4T



OVER-HEAT
PROTECTION

Standard accessories



CUT Torch



Ground Clamp 2.5m



Barometer



Gas Hose 3m



Gas Hose 0.3m



Hose Clamp



Thread Seal Tape

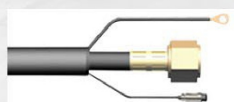
Product Parameters

Model	CUT-40LY	CUT-40LF	CUT-40LZ
Input Voltage (V)	1~ 230	1~ 230	1~ 230
Frequency (Hz)	50/60	50/60	50/60
Output Current Range (A)	20-40	20-40	20-40
Absorbed Power (KVA)	5.1	5.1	5.1
Rated Input Current (A)	22.7	22.7	22.7
Effective Current (A)	14.4	14.4	14.4
No load Voltage (V)	300V±20%	300V±20%	300V±20%
	35%40A	35%40A	35%40A
Duty Cycle 40°C 10min	60%35A	60%35A	60%35A
	100%30A	100%30A	100%30A
Max Cut (Severance) (mm)	≤25	≤25	≤25
Clean Cut (mm)	≤20	≤20	≤20
Efficiency (%)	80	80	80
Power factor	0.72	0.72	0.72
Insulation Class	F	F	F
Protection Class	IP21S	IP21S	IP21S
Gross Weight (kg)	7.5KG	7.5KG	7.5KG
Product Dimensions(mm)	370x150x230	370x150x230	370x150x230
Packaging Dimensions(mm)	410x170x300	410x170x300	410x170x300

TIG Torch



Gas Electrode Integrated
Cable Assembly



Gas Electrode Separation
Cable Assembly



Central Adaptor



PLASMA CUT INVERTER · 1~



EXPERT

1ph ~ 230V

Standard accessories



Ground Clamp 2.5m



Barometer



Gas Hose 3m



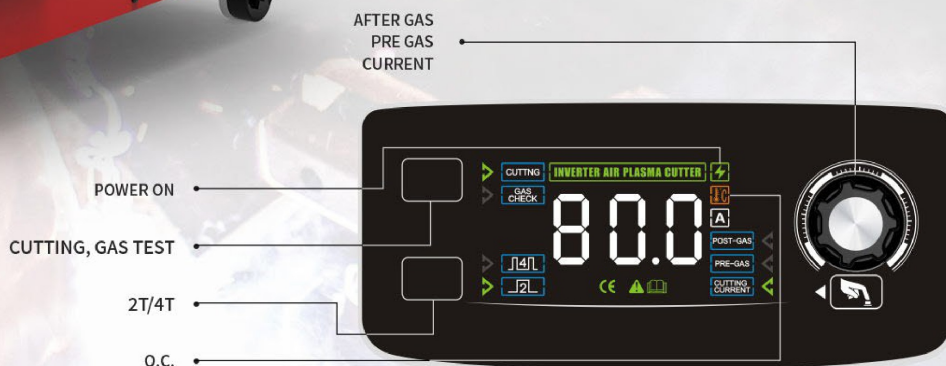
Gas Hose 0.3m



8 Meters CUT



Thread Seal Tape



Product Parameters

Model	CUT-80Pro	CUT-100Pro	CUT-120Pro	CUT-160Pro
Input voltage(V,HZ)	380V±15% 50/60Hz	380V±15% 50/60Hz	380V±15% 50/60Hz	380V±15% 50/60Hz
Rated output current(A)	17.6	25.5	28.5	25.5
Rated input power capacity (KVA)	11.5	16.5	20	16.5
Current adjustment range(A)	25-70	30-100	30-120	30-100
No-load voltage (V)	290	300	300	300
Rated output voltage (V)	112	120	128	120
Duty rate (%)	60	60	60	60
Air pressure used for cutting gun (MPa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Arc striking method	Non-contact arc striking	Non-contact arc striking	Non-contact arc striking	Non-contact arc striking
Maximum cutting carbon steel thickness (mm)	30	38	40	55
Optimal cutting carbon steel thickness (mm)	25	28	30	40
Weight(kg)	20.3	31.8	32.4	65
Dimensions(mm)	595x315x530	710x385x680	710x385x680	805x410x800
Insulation level	F	F	F	F
Enclosure protection class	IP21S	IP21S	IP21S	IP21S



CUT
LOW
FREQUENCY



ADJUSTABLE
POST-FLOW
TIME



2T/4T



GAS
DETECTION



OVER-HEAT
PROTECTION

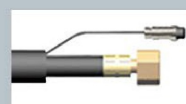
Product Parameters

Model	CUT- 40H Ultra
Input Voltage (V)	1~ 230
Frequency (Hz)	50/60
Output Current Range (A)	20-40
Absorbed Power (KVA)	5.1
Rated Input Current (A)	22.7
Effective Current (A)	14.4
No load Voltage (V)	300V±20%
	35%40A
Duty Cycle 40°C 10min	60%35A
	100%30A
Max Cut (Severance) (mm)	≤18
Clean Cut (mm)	≤12
Efficiency (%)	80
Power factor	0.72
Insulation Class	F
Protection Class	IP21S
Gross Weight (kg)	7.5KG
Product Dimensions(mm)	370x150x230
Packaging Dimensions(mm)	410x170x300

Standard accessories



CUT Torch



Gas Electrode Separation
Cable Assembly



Ground Clamp 2.5m



Barometer



Gas Hose 3m



Gas Hose 0.3m



Hose Clamp



Thread Seal Tape

CUT ULTRA

PROFI

3ph ~ 400V



CUT
LOW
FREQUENCY



POST-FLOW



2T/4T



OVER-HEAT
PROTECTION



Standard accessories



CUT Torch



Ground Clamp 2.5m



Barometer



Gas Hose 3m



Gas Hose 0.3m



Hose Clamp



Thread Seal Tape

Product Parameters

Model	CUT-80Ultra	CUT-100Ultra	CUT-120Ultra
Input voltage(V,HZ)	380V±15% 50/60Hz	380V±15% 50/60Hz	380V±15% 50/60Hz
Rated output current(A)	17.6	25.5	28.5
Rated input power capacity (KVA)	11.5	16.5	20
Current adjustment range(A)	25-70	30-100	30-120
No-load voltage (V)	290	300	300
Rated output voltage (V)	112	120	128
Duty rate (%)	60	60	60
Air pressure used for cutting gun (MPa)	0.4-0.6	0.4-0.6	0.4-0.6
Arc striking method	Non-contact arc striking	Non-contact arc striking	Non-contact arc striking
Maximum cutting carbon steel thickness (mm)	30	38	40
Optimal cutting carbon steel thickness (mm)	25	28	30
Weight(kg)	20.3	31.8	32.4
Dimensions(mm)	595x315x530	710x385x680	710x385x680
Insulation level	F	F	F
Enclosure protection class	IP21S	IP21S	IP21S