

# CUT-60B

100% duty cycle 220v/380v 60amp plasma cutter for workshop

## Extremely durable cutting with 100% duty cycle

- Cut at 60A with 100% duty cycle! Misnco-60B can guarantee every cut you work for a long time, and avoid the additional loss of sheet metal.
- Super durable is based on dual-module IGBT. Different from the traditional single-tube IGBT, the IGBT module packaging technology improves the stability and life of the plasma power supply to a new level.

## Industry-leading cutting quality

- Real-time communication with the CNC system, and more precise control of the cutting quality through the data base.
- Increase the current at the moment of piercing and enhance the piercing ability.
- Intelligently control the corner cutting current to improve the quality of corner cutting and avoid over-burning.

## Working at garage, adapt to the world

- Double cutting mode. Support both handheld and machine use. universal cutting.
- Support 220V single-phase, 220V/380 three-phase. The 100% duty cycle has no attenuation for different voltages.

## We provide a five-year warranty!

- We provide every Misson customer with a five-year warranty for the core components of the power supply. The confidence in quality comes from the dual-module IGBT and excellent heat dissipation system.
- Tower air duct and soft switch technology minimize the power consumption of each cutting.
- The electrical components used in the production process are all from large factories, and the coils are made by hand.



Carbon steel cutting ability	mm
Recommended	0.3-10
Pierce	12
Severance	14
Stainless steel cutting ability	
Recommended	0.3-8
Pierce	0.3-8
Severance	10
Aluminum cutting ability	
Recommended	0.3-8
Pierce	0.3-8
Severance	10

## Recommaned torch



- p80 handheld cutting torch



- P80 torch for cnc



- Cutting torch for low frequency machine

# Specifications

Standards of power supply	300~380v/200~220v /50Hz ± 10%
input power	11KVA
Rated output current	60A
Rated output voltage	105.2V
Rated load duration	100%
No-load voltage	308VDC
Current adjustment range	30~60A
Enter the cross-sectional area of copper core wire (mm <sup>2</sup> )	≥6 square national standard
Fuse (A)	60
Switching capacity	60
Quality perforation thickness (steel)	0.3~10mm
Maximum perforation thickness (steel)	12mm
Use plasma gas	Compressed air
Working plasma gas pressure	0.4~0.6MPa
Torch cooling method	Air-cooled
Arc ignition method	Customizable low-frequency arc ignition
Insulation class	Class F
Enclosure rating	IP21S
Dimensions mm length*width*height	590*260*480



## Torch consumable parts

Sheet thickness(mm)	1--5	5--15	15--20	25--40
Nozzle aperture(mm)	1.1	1.3	1.5	1.7
Corresponding current(A)	40	60	80	100
Cutting speed(mm/min)	2000-3500	800-1600	650-1500	450-1300
Arc voltage(V)	100-115	110-130	120-150	130-180



- According to the thickness of the plate, set the current, arc voltage, and pierce height (generally not less than 5mm) piercing time. Set a lower speed first, and gradually increase the speed during the cutting process to achieve the desired cutting effect.