

# Portable Plasma Cutting Machine

This plasma cutting machine uses IGBT switch and inverter control technology. It is equipped with accessories such as an electrode holder, earth clamp, welding cable and protective mask.



## Product Overview

### Professional Portable Plasma Cutter

This portable plasma cutting machine utilizes advanced IGBT inverter and PWM control technology to deliver precise, constant current output for high-quality metal cutting. Designed for versatility, it is capable of cutting various metals including carbon steel, stainless steel, cast iron, and aluminum alloys. The unit features a compact, lightweight design that offers up to 30% energy savings, while robust protection functions guard against over-current and overheating for reliable, long-term operation.

## Technical Specifications

TECHNICAL CHARACTERISTICS	RATED SUPPLY VOLTAGE	SUPPLY FREQUENCY	RATED INPUT CAPACITY	RATED SUPPLY CURRENT	NO-LOAD VOLTAGE	CUTTING CURRENT RANGE	RATED CUTTING VOLTAGE	RATED DUTY CYCLE	AIR PRESSURE	EFFICIENCY	POWER FACTOR	CUTTING THICKNESS	AIR FLOW	DEGREES OF PROTECTION	CLASS OF INSULATION	NET WEIGHT	MACHINE SIZE
	V	Hz	KVA	A	V <sub>0</sub>	A <sub>MIN</sub> A <sub>MAX</sub>	U <sub>OUT</sub>	%USE	bar	%	cosφ	mm	L/min	IP	H	kg	H W D mm
<b>CUT-30G1</b>	1~220±15%	50/60	6.2	20	270	15-30	92	60	3.0-4.0	85	0.9	1-8	140-200	IP21S	H	5.5	430L 150W 230H
<b>CUT-40G1</b>	1~220±15%	50/60	6.6	30	270	15-40	96	30	4.0-5.0	85	0.9	1-10	140-200	IP21S	H	5.6	430L 150W 230H

Detailed technical characteristics and performance parameters for the available plasma cutter models.

### Model Specifications

Feature	CUT-30G1	CUT-40G1
Cutting Current Range	15-30 A	15-40 A
Duty Cycle	60 %	30 %
Cutting Thickness	1-8 mm	1-10 mm
Net Weight	5.5 kg	5.6 kg

Supply Voltage	1~220V ±15%
Supply Frequency	50 Hz
Machine Dimensions	430 x 150 x 230 mm

## Performance & Safety

### Protection Class

IP21S • Waterproof • Anti-corrosion • Anti-vibration

### Safety Features

- Over-current protection
- Over-heat protection
- Constant Current (CC) output

### Insulation Class

H

## Included Accessories

### Package Contents

Electrode holder, Earth clamp, Welding cable, Brush hammer, Protective mask, Carton box