

Portable DC Arc Welding Machine

This MMA inverter DC arc welding machine is a single-phase, fan-cooled unit. It features stepless regulation of welding current and thermal protection.



Product Overview

Compact DC Arc Welding Solution

This portable DC arc welding machine utilizes advanced IGBT and soft-switching technology to deliver stable, efficient performance. Designed with a single PCB structural layout, it offers high energy efficiency and automatic voltage compensation, ensuring consistent welding results even during mains voltage fluctuations. With built-in safety features like over-voltage and over-current protection, it is a reliable tool for welding carbon steel, stainless steel, alloy steel, and cast iron.

Technical Specifications

Power Supply Voltage	230 V
Frequency	50/60Hz
Input Capacity	5.7 kw
No-Load Voltage	75 V

Performance Metrics

Duty Cycle

60 % Duty Cycle	140 A at Current
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Efficiency & Power

80 % Efficiency	0.93 Power Factor
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Welding Current Range	10-40A
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Physical Characteristics

Electrode Diameter	1.6-4.0mm
Net Weight	6 kg
Packing Dimensions	210x185x185mm

Safety & Compliance

Protection Class

IP21S

Insulation Class

Class H

Features

Included Accessories

- Electrode holder
- Earth clamp
- Brush/hammer
- Protective mask

Compatible Materials

Carbon Steel, Stainless Steel, Alloy Steel, Cast Iron