

Inverter IGBT MIG/MAG Welding Machine

This inverter IGBT MIG/MAG welding machine performs gas shielded arc welding. It is widely applicable in industries such as petroleum, chemical, power supply, and shipbuilding.



Overview

Industrial-Grade Welding Performance

The NBC630 Inverter IGBT MIG/MAG welding machine is engineered for high-demand industrial environments, including shipbuilding, aerospace, and petrochemical manufacturing. Utilizing advanced full-bridge inverter technology with dual IGBT and soft-switch capabilities, it delivers stable current even with fluctuating input voltage. Designed for reliability, it features robust protection systems against overcurrent, overheating, and overloading, ensuring durability for professional welding operations.

Technical Specifications

Input Power Voltage	380±15%V 50/60Hz
Rated Input Power Capacity	34.6 KVA
Output Current Range	60-630
Duty Cycle	60 %
Efficiency	89 %
Power Factor	0.87
Welding Wire Diameter	1.0 - 1.6

Physical Attributes

Insulation Class	F
Protection Class	IP21S
Weight	55 kg
Dimensions	650x335x620

Features

Advanced Technologies

- Full-bridge inverter technology with dual IGBT
- Pulse Width Modulator (PWM) closed-loop control
- Waveform control with electronic reactor adjustment
- EMC electromagnetic compatibility

Performance Highlights

80 V

No-load Voltage

20 L/min

Max Gas Flow

Applicable Materials

Low carbon steel, High tensile steel, Ordinary steel