

# 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