



INDRAMANI ASSOCIATES

"Precision Welding & Trusted Power"

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MFAC WELDING CONTROL PANEL



Product Overview

The MFAC Welding Control Panel is a high-performance Medium Frequency AC welding controller designed for precision resistance welding applications. Engineered with advanced IGBT technology, intelligent protection features, and digital process control, it delivers stable welding current, excellent repeatability, and reliable operation for spot welding, seam welding, and customized automation systems.

Key Features

- ✓ MFAC Technology for Stable Welding Performance
- ✓ Up to 1000 Amp Output
- ✓ IGBT-Based Power Switching
- ✓ Multiple Protection Functions
- ✓ User-Friendly HMI Interface
- ✓ Precise Current & Voltage Control
- ✓ Heavy-Duty Industrial Design
- ✓ Easy Installation & Maintenance

Technical Specifications

Parameter	Specification
Maximum Output Current at 100% Duty Cycle	300 Amp / 500 Amp / 1000 Amp
Output Frequency Range	60 Hz – 400 Hz Note: Frequency variation depends on your transformer design
System Efficiency & Power Factor (Full Load)	Depends on load conditions (not under our scope)
Overcurrent Protection	Provided
Overvoltage Protection	Provided
Short Circuit & Cooling Failure Interlock	Provided
Chiller Make & Model	Customized
Cooling Capacity vs Load Requirement	Designed to maintain ~35°C ambient conditions
Low Flow Alarm	Can be provided if required
High Temperature Trip & Alarm	Provided for MFAC Panel only
HMI Display Parameters	On Delay
	Power Percentage (I %)
	Actual Voltage
	Actual Current
	Error Indications: IGBT drive error, overcurrent, overvoltage, internal fault, high temperature, synchronization error, emergency

Advantages

- Stable Welding Output
- Improved Weld Quality
- Energy Efficient MFAC Technology
- Fast Response Time
- User-Friendly Operation
- Low Maintenance
- Long Service Life

Customization Available

We can customize:

- Output Current Capacity
- HMI Configuration
- PLC Integration
- Transformer Compatibility

Contact Information

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