

## LOTUS-275

### ARC/MMA Welding Machine

#### Introduction

The **LOTUS-275 Welding Machine** is an advanced IGBT inverter DC MMA welding machine designed with single PCB technology. Compact, lightweight, and robust, it delivers powerful performance for professional and DIY applications. With its single-phase 220V AC power supply and adaptive input voltage technology, the LOTUS-275 is thermally protected and ideal for diverse welding tasks.



#### Key Features

##### 1. Advanced Technology:

- IGBT Inverter Technology ensures stable arc, minimal spatter, and high efficiency.
- Single PCB design improves reliability and simplifies maintenance.

##### 2. Versatile Welding Capabilities:

- Supports **DC MMA welding** and **LIFT TIG welding** for carbon steel, cast iron, stainless steel, copper, and other metals.
- Adjustable current range for precise welding control.

##### 3. User-Friendly Design:

- Lightweight and compact for easy portability (weighs just 5 kg).
- Digital display for precise monitoring and control of welding parameters.

##### 4. Energy Efficiency:

- Highly efficient power conversion for energy savings.
- Suitable for fieldwork, indoor decoration, and work at height.

##### 5. Durable and Safe:

- Thermally protected for enhanced safety during extended use.
- Enclosure protection class **IP23**, ensuring durability in challenging environments.

#### Technical Specifications

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Parameter	Unit	LOTUS-275
Input Supply Voltage	V	1 Phase AC 220V ± 15%
Frequency	Hz	50/60
No-Load Voltage	V	MMA: 64V, TIG: 59V
Rated Output	A/V	MMA: 275A/30V, TIG: 275A/20V
Adjustable Current Range	A	MMA: 20-275, TIG: 20-275
Rated Duty Cycle	%	60% @ 40°C
Max Rated Input Current	A	43.9
Max Effective Input Current	A	26
Rated Input Capacity	kVA	8.7
Static External Characteristic		Step Down
Enclosure Protection Class		IP23
Weight	kg	5
Dimensions (L×W×H)	mm	130 × 340 × 220

## Applications

- **Repair Shops:** Ideal for maintenance and repair tasks.
- **Small Fabrication Work:** Suitable for lightweight fabrication projects.
- **Grills and Windows Welding:** Perfect for gates, grills, and windows welding tasks.
- **DIY Projects:** User-friendly for personal and hobbyist projects.

## Benefits

- **Portability:** Compact and lightweight, making it easy to transport and use in remote or high-mobility environments.
- **Cost-Effective:** Combines advanced technology and robust performance at a competitive price.
- **Energy Efficient:** Reduces energy consumption, making it environmentally friendly.