

TECHNICAL DATASHEET

WELDING MACHINE

MMA-300S



Danger Electric
Shock



Danger Welding
Fumes



Wearing Safety
Clothes is
Compulsory



Wearing Safety
Eyewear is
Compulsory



Wearing Safety
Gloves is
Compulsory



Danger of
Fire



Danger of
Non-Ionising
Radiation



Do Not
Hang

Welding Machine- MMA-300S



Description

The TUF-FIX MMA-300S is a powerful and reliable MOSFET inverter welding machine designed for professional performance and durability. Built with advanced inverter technology, it ensures stable arc performance, smooth welding operation, and high efficiency for a wide range of applications. With an output current range of 30–300A and a 60% duty cycle, the MMA-300S delivers consistent power for demanding welding tasks. It supports electrode sizes from 1.6mm to 5.0mm, making it ideal for steel and carbon steel fabrication, repair, and construction work.

Features

- Easy to operate for professionals and beginners
- Strong and durable metal body construction
- Compact and portable design for job sites
- Smooth and stable welding performance
- Energy efficient and cost effective
- Reliable performance for daily workshop use
- Designed for quality, economy, and long-term durability

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Specification	
Model Number	MMA-300S
Type	MOFSET inverter MMA Welder
Brand	TUF-FIX
Power Voltage	200V/60Hz
Max No-Load Voltage	76V
Output Current Range	30-300A
Duty Cycle	60%
Usable Electrode Size	1.6-5.0mm
Insulation Class	F
Protection Class	IP21S
Internal PCBs	3 Boards Inside
Application	Steel, Carbon Steel
Warranty	6 Months
Colour	Yellow Black
Included Components	Earth clamp with 1.5 meter cable
	Electrode holder with 2 meter cable
	Welding mask
	Cleaning brush
	User Manual

Safety Measures

- Always wear protective welding helmet and safety gloves
- Use safety clothing and protective eyewear
- Ensure proper grounding before operation
- Operate in a well-ventilated area to avoid welding fumes
- Avoid contact with live electrical parts
- Keep machine away from water and moisture (IP21S rated)
- Disconnect power supply before maintenance
- Do not hang or suspend the machine during operation