

# DC TIG Pulse Welding Machine

This machine offers comprehensive functions and an adjustable design for high-quality welding. Base current, pulse current, up slope, down slope, pulse frequency, and pulse width can be adjusted continuously.



## Overview

### Precision DC TIG Pulse Welding Solution

This advanced DC TIG Pulse welding machine is engineered for high-precision welding applications, offering versatile support for both TIG and MMA welding processes. It utilizes stable DC inverter technology to deliver efficient power output, with a wide range of adjustable parameters including pre-flow, pulse frequency, and down-slope time. Designed for professional use, this unit combines robust performance with reliable safety features, making it an ideal choice for diverse welding tasks.

## Electrical Specifications

Input Voltage	AC220V/380V $\pm$ 15%
Input Frequency	50 Hz
Rated Input Power Capacity	8.3 KVA
Power Factor	0.93

## Welding Performance

Output Current Range	10-300A
Duty Cycle	60 %
Arc Striking Method	HF (High Frequency)
Efficiency	85 %

## Pulse Control

### Pulse Control Parameters

Parameter	Range
Pre-flow Time	0-2S
Pulse Current	10-300A
Down-slope Time	0-5S
Pulse Frequency	1-70HZ
Pulse Width	10-90%

## Physical & Safety

### Insulation Class

Class B

### Protection Class

IP21

### Dimensions

502 x 204 x 378 mm

### Weight

18 KG

## Key Metrics

### Key Performance Metrics

**300 A**

Max Output Current

**56 V**

No-load Voltage

**60 W**

No-load Consumption