

TORNADO

Switch over to the latest inverter technology

TORNADO TIG 315 / 500 AC/DC



Features

- Multi-functions: AC Square wave TIG, DC pulse TIG, DC TIG, MMA and Spot TIG welding
- Microprocessor control technology
- Parameters in panel are set by coordinate-type touch key; and single-knob makes the operation simple and clear
- Many adjustable parameters under each of the five welding states
- All parameters under the five welding states can be stored in Memory channel
- Protective functions: overheat, over-current and under-voltage, etc.



Ador Fontech Limited

www.adorfon.com

TORNADO TIG 315 / 500 AC/DC

AC/DC Pulse TIG/MMA Square Wave Welding Power Source

TORNADO TIG 315 / 500 AC/DC is a multi-functional welding power source with IGBT inverter technology. This power source is widely used in various kinds of metal including Al, Mg and their alloys at TIG welding and are suitable for all kinds of acid and basic electrode MMA welding.

TECHNICAL SPECIFICATIONS

DESCRIPTION		UNIT	TORNADO TIG 315 AC/DC	TORNADO TIG 500 AC/DC
Input voltage		V	415 V AC ($\pm 10\%$); 3 Ph; 50 Hz	415 V AC ($\pm 10\%$); 3 Ph; 50 Hz
Rated input capacity		KVA	17	28.5
Rated input current		A	19.4	31
Welding current at	60% duty cycle	A	315	410
	100% duty cycle	A	240	350
Open circuit Voltage		V	79	79
Output current range-TIG		A	12-315	12-500
Efficiency		%	>85	>85
Power factor		cos ϕ	0.8	0.8
Insulation		Type	F	F
Protection Class		Type	IP 21 S	IP 21 S
Weight		Kg	63	68
Dimensions (L x W x H)		mm	700 x 340 x 780	700 x 340 x 780

TIG FEATURES DETAILS

- Surge Time : 0.01-0.5 Sec
- Slope up time : 0.01-10 Sec
- Slope Down time : 0.01-10 Sec
- Spot time : 0.01-5 Sec
- Pre flow time : 0.1-1.5 Sec
- Post flow time : 1-15 Sec
- Frequency : 0.5-200 HZ
- AC Frequency : 5-150 HZ
- Pulse Ratio : 10-90 %
- AC Balance : 10-50 %

STANDARD ACCESSORIES

- TIG torch
- Electrode holder
- Earth clamp

OPTIONAL ACCESSORIES

- Water cooling unit
- Water cooled torch