

ATIG-400 /1000



GTAW Welding
Power Source 

Quick Specs



Personal User Applications

Bicycle, fitness equipment, stainless furniture
Industry plant construction
Containers manufacture
Maintenance and repair
Pipeline industry
Shipbuilding

Process

Process: DC TIG (GTAW) /Stick (SMAW) /Gouging ($\geq 500A$)

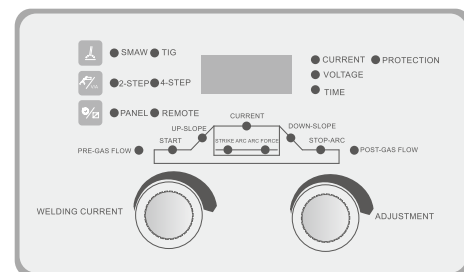
Output  

Input  

ATIG DC series is digital DC TIG models with high end MCU technology, It is suitable for both automatic application and manual welding. Provide high performance DC TIG and stick welding for alloy fabrication, pipe welding and workshop maintenance. For high current model ($>500A$), 100% duty cycle and can perform Carbon Arc Gouging feature.

Features and benefits

- MMA adjustable parameters: arc force current, knee point voltage, arc starting time, arc starting current
- By setting knee-point voltage, the power source can be adapted to long and short cable welding. With setting of arc starting time, success rate of arc starting can be greatly improved
- TIG adjustable parameters: pre-gas time, post-gas time, up-slope time, down-slope time, arc starting current and crater filling current
- Wide current adjustment range, can be lower to 5A
- VRD function voltage (22V), safer and more reliable
- Enjoy long and short welding function, can set different welding modes according to welding cable length
- Smart fan feature greatly expands working life of the fan and reduces fault rate



Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Welding cable L=3m
- 1 Ground cable L=3m
- 1 TIG torch



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Technical Specification

		ATIG400	ATIG1000
Rated input voltage/frequency (Hz)		3 phase, 380V±10%, 50 /60Hz	
Rated input capacity (KVA)		18.7	54.6
Rated input current (A)		28.4	83
Duty cycle (40°C)		60%@400A	100%@1000A
OCV (V)		71/22 VRD	79
Output current (A)		5-400	60-1000
MMA	Arc force (A)	1-200	1-500
	Knee-point voltage (V)	10-30	
	Hot start (A)	0-160	
	Hot start duration (s)	0.1-1.5	
TIG	Pre-gas /post gas (s)	0.1-15 /0.1-15	
	Initial /final current (A)	10-160 /5-160	
	Up-slope /down-slope (s)	0.1-10 /0.1-15	
	Trigger mode	2 /4T	
	Arc ignition method	HF	
Protection class		IP23S	IP21S
Insulation class		H	
Dimension (mm)		655*324*546	767*352*757
Weight (kg /lb)		43 /95	95 /209.8



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