

## TIG-315/400



### Product Introduction

- 1.IGBT technology.
- 2.Excellent TIG weld characteristics.
- 3.Generator compatible, ideal for site use.
- 4.Peak Current Control Mode : Reliable quality and efficiency .
- 5.Electrode welding function.
- 6.High speed pulse to adjust the arc focus, reduce distortion and increase travel speed.
- 7.Pre-set digital meter with hold function for fully procedured work.
- 8.Thrust function is added; transition performance of melt drip can be improved during welding.
- 9.Full power even in the case of voltage fluctuations and when using long cables.
- 10.Easy Operation: one knob adjust.


Product	Output			Input		Welding Performance	
	CC/CV	AC/DC	Current range (A)	Voltage (V)	Frequency (Hz)	MMA	HF TIG
TIG-315	CV	DC	10-160A	380	50/60	●	●
TIG-400	CV	DC	10-200A	380	50/60	●	●
TIG-500							

○ Excellence   ● Option   ● Standard

### Specifications

Product	TIG-315	TIG-400	TIG-500
Input Voltage	3P 380V ± 15%	3P 380V ± 15%	
No-load Voltage	67V	67V	
Rated Output Voltage/Current	TIG:285A/21.4V MMA:285A/31.4V	TIG:400A/26V MMA:400A/36V	
Output Current Range	TIG:10-285A MMA:30-285A	TIG:20-400A MMA:40-400A	
Rated Duty Cycle	60%	60%	
Rated Input Current	TIG:11A MMA:15A	TIG:19A MMA:26A	
Rated Input Capacity	12KVA	17KVA	
Efficiency (η)	0.85	0.85	
COS φ	0.99	0.99	
Insulation Class	H	H	
Protection Class	IP21S	IP21S	
Dimension (L × W × H mm)	420 × 192 × 360	465 × 232 × 405	
Weight	13KG	24KG	

### Accessories

TIG Torchid	Earth clamp Set	Electrode Holder Set
		
● 1pc WP26	● 1.8m cable + earth clamp	● 3m cable + holder

### Welding Specifications

Base metal	Thickness (mm)	Tungsten electrode diameter (mm)	Welding wire diameter	Welding current	Argon flow (L/min)	Applicable models
Low carbon steel Low alloy steel	2.5mm	1.6~2.4	1.6~2.4	70~90A	6~9	TIG-315/400
	4.0mm	2.4	1.6~2.4	120~150A	10~15	
	6.0mm	2.4~3.2	2.4~3.2	150~200A	10~15	
	8.0mm	3.2~4.0	3.2~4.0	160~220A	12~18	
Stainless steel	1.2mm	3.2~4.0	3.2~4.0	180~300A	12~18	TIG-315/400
	2.5mm	1.6~2.4	1.6~2.4	70~90A	6~9	
	4.0mm	2.4	1.6~2.4	120~150A	10~15	
	6.0mm	2.4~3.2	2.4~3.2	150~200A	10~15	
	8.0mm	3.2~4.0	3.2~4.0	160~220A	12~18	
	1.2mm	3.2~4.0	3.2~4.0	180~300A	12~18	