

MetaTIG ACDC HF TIG Welders 315/400/500A

Model	MetaTIG 500 ACDC	MetaTIG 400 ACDC	MetaTIG 315 ACDC
Control method	Full-digital IGBT Control	Full-digital IGBT Control	Full-digital IGBT Control
Input voltage	3 Phase AC 380 V(±25%)	3 Phase AC 380 V(±25%)	3 Phase AC 380 V(±25%)
Input frequency	40-70Hz	40-70Hz	40~70Hz
Inverter switching frequency	110KHz	110KHz	110KHz
Rated input capacity	25.2KVA/21.9KW	15KVA/13.5KW	12.9KVA/11.4KW
Rated output no-load voltage	68V	68V	68V
Rated output current	500A	400A	315A
Rated output voltage	30V	26V	22.6V
Duty cycle	20%@500A 100%@315A	60%@350A 100%@315A	100%@315A
Set current range	DC TIG 3-500A	DC TIG 3-400A	DC TIG 3-315A
	AC TIG 4-500A	AC TIG 4-400A	AC TIG 4-315A
	MMA 30-500A	MMA 30-400A	MMA 30-315A
Power Factor	0.94	0.94	0.94
Efficiency	87%@500A	88%@400A	88%@315A
DC pulse frequency	0.1-3000Hz	0.1-3000Hz	0.1-3000Hz
AC pulse frequency	20-300Hz	20-300Hz	20-300Hz
Pulse Width	1-99%	1-99%	1-99%
Arc striking method	High-frequency arc/Lifting arc		
Parameter JOB	50 Groups	50 Groups	50 Groups
Rise Time	0-20s Continuous regulation (0.1s increments)		
Fall time	0-20s Continuous regulation (0.1s increments)		
Pre-gas time	0-25s Continuous regulation (0.1s increments)		
Post-gas time	0-25s Continuous regulation (0.1s increments)		
Output terminal	Quick plug	Quick plug	Quick plug
Foot Switch(optional)	✓	✓	✓
Protection rating	IP23 S	IP23 S	IP23 S
Insulation class	H	H	H
Cooling method	Forced-air	Forced-air	Forced-air
Dimensions (length x width x height)	647x291x572mm	647x291x572mm	647x291x572mm
Weight	40kg	40kg	40kg
Extension function			
IOT SMARC System (optional)	✓	✓	✓
USB Upgrade	✓	✓	✓
Robot (optional)	✓	✓	✓
LCD front panel (optional)	✓	✓	✓