

MetaTIG DC HF TIG Welders 315/400/500A

Model	MetaTIG 500 DC	MetaTIG 400 DC	MetaTIG 315 DC
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	24.4KVA/22KW	17.5KVA/16KW	12.5KVA/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	40%@500A	100%@400A	100%@315A
Set current range	DC TIG 3-500A	DC TIG 3-400A	DC TIG 3-315A
	MMA 30-500A	MMA 30-400A	MMA 30-315A
Power Factor	0.94	0.94	0.94
Efficiency	90%@500A	91%@400A	91%@315A
DC pulse frequency	0.1-3000Hz	0.1-3000Hz	0.1-3000Hz
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	IP23	IP23
Insulation class	H	H	H
Cooling method	Forced-air	Forced-air	Forced-air
Dimensions (length x width x height)	647x291x572mm	647x291x572mm	647x291x572mm
Weight	37kg	37kg	37kg
Extension function			
IOT SMARC System (optional)	✓	✓	✓
USB Upgrade	✓	✓	✓
Robot (optional)	✓	✓	✓
LCD front panel (optional)	✓	✓	✓