

PT-500

Application

Aerospace industry \ Pressure vessel industry
 Pipe & tube fabrication
 Medical instruments manufacturing
 Vacuum equipment manufacturing

Features

Inverter technology for energy-efficient
 Thermal Overload Protection
 Multiple welding modes can be selected(Spot/Crater/Repeat)
 Pulse Function included, 3-stage switching pulse frequency
 2T welding function for up/down slope
 PLC control connection support
 0~10V analog interface available to welding current
 Complete plasma gas sequence control
 Pilot arc current 1-30A adjustable
 Abnormal signal warning design



Specification

Input Power	V	220 V ,3Φ	Pulse frequency	HZ	High: 1.3~500
		380/415 V ,3Φ			Middle: 1.2~45
Input voltage range	%	±15%	Pulse Ratio Width	%	Low: 0.3~13
Input frequency	HZ	50&60			1~99
Rated input capacity	KVA	29.47	Duty cycle	-	500A / 70%
	KW	23.28			420A / 100%
Rated output	V	TIG: 40	Pilot Arc Current Selection	-	Single / Continuous
		ARC: 21.2	Pulse current	A	10~500
	A	TIG: 500	Cooling Water Flow Rate	LPM	1.2~12
		ARC: 30	Plasma Gas Flow Rate Range	LPM	0.1~1.0
Welding amperage range	A	TIG: 10~500	Shielding Gas Flow Rate Range	LPM	2~25
		ARC: 0~30	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater/ Repeat / Spot /Special 2T
Open-circuit voltage	V	75±10	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	506*716*923
Spot time	Sec	0.2~10	Net Weight	kg	95

