CHOON HUAT ENGINEERING PTE LTD

DC INVERTER MULTI WELDER

Characteristics & Application

Welder

- Adopted advanced digital technology and IGBT
- Six welding methods : MMA,DC-TIG, Pulsed – TIG, Spot-TIG,GMAW(CO2/MIG/MAG)and Pulsed-GMAW
- Stable arc and controllable molten pool
- Availability of HF and lift arc striking modes
- Available weld under small current(min 3A), good arc stiffness
- 30 memory storage areas for each function
- Special power saving facility and high efficiency
- Small volume, light weight & portable
- Applicable in all position welding
- For various type of material welding

Standard items

Wire feeder

Earth clamp

MIG torch

Optional items

Technical Specification

MODEL		DIGIPULSE 500	
Specifications		**Parameters for Pulsed TIG welding**	
Input voltage range	260V-460V	Peak current	5-500(A)
Rated output capacity	500A,40V	Slop up	1-501(A/s)
Rated no-load voltage	55V-80V	Slop down	1-501(A/s)
Duty cycle	60%	Start current	40-500(A)
Power factors COS	≥0.85(ϕ)	Pilot current	5-500(A)
Efficiency	≥85%(η)	Gas pre - flow	0.1-12(S)
Insulation grade	H	Gas post - flow	0.1-50(S)
Case protection grade	IP21	Operations ways	0-6
Dimensions	610X320X600mm	Base current	5-500(A)
Net weight	38Kg	Base time	1-500(ms)
Parameter memory block	30	Peak time	1-500(s)
Rated input voltage	3- Phase AC, 415V, 50/60Hz		
Parameters for MMA welding		**Parameters for TIG spot welding**	
Current	10-500A	Spot welding current	5-500(A)
Arc force	0-10	Gas pre – flow	0.1-12(S)
Start current	10-500A	Gas post – flow	0.1-50(S)
Start time	0.01-1s	Spot welding time	0.01-5(S)
Arc break adjust	20-80V	Slop down	1-501(A/s)
Parameters for DC.TIG welding		**Parameters for GMAW, Pulsed-GMAW welding**	
Current	5-500A	Current	30-500(A)
Slop up	1-501(A/s)	Voltage	10-42(V)
Slop down	1-501(A/s)	Arc force	1-10
Start current	40-500(A)	Welding type	0-11
Pilot current	5-500(A)	Operations ways	2T,4T
Gas pre- flow	0.1-12(S)	Second current	30-500(A)
Gas post – flow	0.1-50(S)	Second voltage	10-42(V)