

08 Precision Inverter DC Welding Power Supply

Product Features

- Five working frequencies selectable (1KHz/2KHz/3KHz/4KHz/5KHz)
- Six welding control modes (constant peak current, constant secondary current, constant voltage, constant power, constant pulse width, hybrid control)
- Quality Judgment And Control Function: Instantaneous and average values of current, voltage and power can be monitored at the same time, and pressure and displacement values can also be monitored. The upper and lower limits of the parameters can be set, and the pressure trigger and displacement depth interrupt functions are supported.
- Quality Traceability Function: The database can store more than 5 million welding data of welding points, and support U disk export.
- Welding Process Visualization: Man-machine touch interface with oscilloscope and detector functions, real-time display of current, voltage, power, resistance and other 8 real waveforms and corresponding welding data.
- Support multi-stage discharge, also has a slow rise and fall function
- Diagnostic Protection Function: With more than twenty kinds of welding fault diagnosis, welding protection module, as well as monitoring and alarm function.
- Automation control: Equipped with rich I/O interfaces, supporting a variety of communication protocols (RS-232, RS-485, Ethernet, etc.).



IDP-5210 / IDP-8210 High Frequency Precision Inverter DC Resistance Welding Power Supply

Power Supply Specifications

Model		IDP-5210	IDP-8210
Supply Voltage		3-phase 380V (50/60Hz)	
Control Frequency		1kHz/2kHz/3kHz/4kHz/5kHz	
Max. Output Current		4000A	8000A
Rated Power		15kVA	25kVA
Control Method		Constant Pulse Width/Constant Peak Primary/Constant Secondary Current/Constant Secondary Voltage/Constant Power/Hybrid Control	
Number Of Welding Norms		32 Group Norms	
Welding Time Setting	Pre-squeeze Time	0-9999ms	
	Squeeze Time	0-9999ms	
	Up slope 1 Time	0-9999cyc	
	Welding 1 Time	0-9999cyc	
	Down slope 1 Time	0-9999cyc	
	Cooldown	0-9999cyc	
	Up slope 2 Time	0-9999cyc	
	Welding 2 Time	0-9999cyc	
	Down Slope 2 Time	0-9999cyc	
	Up slope 3 Time	0-9999cyc	
	Welding 3 Time	0-9999cyc	
	Down slope 3 Time	0-9999cyc	
	Holding Time	0-9999ms	
	Rest Period	0-9999ms	
	End Time	0-9999ms	
Number Of Cycles		0-9	
Setting Range For Secondary Current		0.1-4.00KA	0.1-8.00KA
Setting Range Of Pulse Width		1%-100%	
Setting Range For Secondary Voltage		0.01-10V	
Sizes		549*220*320mm	
Weight		22KG	
Matching Transformer		IDT-40A	IDT-80A
Communication Method		RS-232/RS-485/Ethernet , etc.	

Transformer Specifications

Model	IDT-40A	IDT-80A
Supply Voltage	PWM 500V	PWM 500V
Rated Power	15KVA	25KVA
Rated Primary Voltage	500V	500V
No Load Secondary Voltage	10V	11V
Max. Utilization Rate	4000A(5%)	8000A(10%)
Cooling Method	Air-cooling	Water-cooling
Input Frequency	1-5kHz	
Transformer Volume Ratio	50:1	45:1
Sizes	424*205*280mm	440*205*280mm
Weight	18.5KG	22KG