

## 06 Ultra Precision Inverter DC Welding Power Supply

### Product Features

- 1A precise current regulation can be realized.
- 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: Database function, 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.).
- It is extremely suitable for ultra-precise electronic components and medical precision parts.



**IDP-1210 Ultra precision high-frequency inverter DC welding power supply**

### Power Supply Specifications

Model		IDP-1210
Supply Voltage		3-phase 380V (50/60Hz)
Control Frequency		1kHz/2kHz/3kHz/4kHz/5kHz
Max. Output Current		1000A
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		0.1-1.00KA
Setting Range Of Pulse Width		1%-100%
Setting Range For Secondary Voltage		0.01-10V
Power Setting Range		0.1-10KW
Sizes		549*220*320mm
Weight		22KG
Matching Transformer		IDT-40A
Communication Method		RS-232/RS-485/Ethernet , etc.

### Transformer Specifications

Model		IDT-40A
Supply Voltage		PWM 500V
Rated Power		15KVA
Rated Primary Voltage		500V
Unloaded Secondary Voltage		10V
Max. Utilization Rate		4000A(5%)
Cooling Method		Air-cooling
Input Frequency		1-5kHz
Transformer Volume Ratio		50:1
Sizes		424*205*280mm
Weight		18.5KG