

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