

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 Squeeze Time Up slope 1 Time Welding 1 Time Down slope 1 Time Cooldown Up slope 2 Time Welding 2 Time Down Slope 2 Time Up slope 3 Time Welding 3 Time Down slope 3 Time Holding Time Rest Period End Time Number Of Cycles | 0-9999ms 0-9999ms 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999cyc 0-9999ms 0-9999ms 0-9999ms 0-9999ms 0-9 0.1-4.00KA 1%-100% 0.01-10V 549*220*320mm 22KG IDT-40A RS-232/RS-485/Ethernet , etc. |
| 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 |