

09 Precision Inverter DC Welding Power Supply

Product Features

- Equipped with a remote programmer in an all-aluminum housing for external remote programming.
- 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-300 Precision Inverter DC Welding Power Supply

Power Supply Specifications

Model	IDP-300																																
Supply Voltage	3-phase 380V (50/60Hz)																																
Control Frequency	1kHz/2kHz/3kHz/4kHz/5kHz																																
Max. Output Current	15000A																																
Rated Power	90kVA																																
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	<table border="1"> <tr><td>Pre-squeeze Time</td><td>0-9999ms</td></tr> <tr><td>Squeeze Time</td><td>0-9999ms</td></tr> <tr><td>Up slope 1 Time</td><td>0-9999cyc</td></tr> <tr><td>Welding 1 Time</td><td>0-9999cyc</td></tr> <tr><td>Down slope 1 Time</td><td>0-9999cyc</td></tr> <tr><td>Cooldown</td><td>0-9999cyc</td></tr> <tr><td>Up slope 2 Time</td><td>0-9999cyc</td></tr> <tr><td>Welding 2 Time</td><td>0-9999cyc</td></tr> <tr><td>Down Slope 2 Time</td><td>0-9999cyc</td></tr> <tr><td>Up slope 3 Time</td><td>0-9999cyc</td></tr> <tr><td>Welding 3 Time</td><td>0-9999cyc</td></tr> <tr><td>Down slope 3 Time</td><td>0-9999cyc</td></tr> <tr><td>Holding Time</td><td>0-9999ms</td></tr> <tr><td>Rest Period</td><td>0-9999ms</td></tr> <tr><td>End Time</td><td>0-9999ms</td></tr> <tr><td>Number Of Cycles</td><td>0-9</td></tr> </table>	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
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Setting Range For Secondary Current	0.3-15.00kA																																
Setting Range Of Pulse Width	1%-100%																																
Setting Range For Secondary Voltage	0.01-10V																																
Power Setting Range	0.2-60kW																																
Sizes	549*220*320mm																																
Weight	22KG																																
Matching Transformer	IDT-915C																																
Communication Method	RS-232/RS-485/Ethernet , etc.																																

Transformer Specifications

Mode	IDT-915C
Supply Voltage	PWM 500V
Rated Power	90kVA
Rated Primary Voltage	500V
Unloaded Secondary Voltage	11V
Max. Utilization Rate	15000A(10%)
Cooling Method	Water-cooling
Input Frequency	1-5kHz
Transformer Volume Ratio	45:1
Sizes	343*146*106mm
Weight	17KG