

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	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		0.3-15.00KA
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