

10 High Power Inverter DC Welding Power Supply

Product Features

- Equipped with remote program. It can realize external remote program settings.
- 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.
- More suitable for the automotive industry, the whole series standard with adaptive intelligent welding function, according to the welding process of external conditions change, automatically adjust the current and time, to ensure the welding quality, to solve the problem of shunt, edge welding, non-conductive gap welding, pressure changes, plate thickness inconsistency and so on.



Power Supply Specifications

Model		IDP-600	IDP-800	IDP-1000
Supply Voltage		3-phase 380V (50/60Hz)		
Control Frequency		1kHz/2kHz/3kHz/4kHz/5kHz		
Max. Output Current		600A(Primary)	800A(Primary)	1000A(Primary)
Rated Power		120kVA	170kVA	220kVA
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		0.1-25.00KA	0.2-35.00KA	0.3-45.00KA
Setting Range Of Pulse Width		1%-100%		
Setting Range For Secondary Voltage		0.02-10V		
Sizes		578*600*305mm		
Matching Transformer		IDT-925C	IDT-935C	IDT-945C
Communication Method		RS-232/RS-485/Ethernet , etc.		