

# DT-301

“100 kHz precision pulse control  
Full-function control”

## Application

Industrial Equipment Manufacturing  
 Bridge Construction & Infrastructure  
 Stainless Steel Fabrication \ Aerospace Engineering  
 Automotive Manufacturing \ Pipe & Pipeline Manufacturing

## Features

1. 100 kHz dual-parallel output ensures a focused, stable arc with fast spot welding and consistent penetration.
2. High-frequency energy-efficient control enables effective welding at lower currents.
3. Lightweight 300A design with a 60% duty cycle ensures reliable on-site operation.
4. Full-function control panel with current preset and voltage/current pre-display complies with site safety inspections.
5. Built-in special welding modes enable easy automatic crater filling.
6. Built-in protection functions and 200 VAC input ensure stable operation under low-voltage conditions.
7. Optional PLC interface supports automation and system integration.



## Specification

Input Power	V	220 V , 1/3Φ	Pre flow time	Sec	0.2~5
		380/415V, 3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	5~300
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	11.78			Middle: 1.2~45
	KW	8.25	Low: 0.3~13		
Rated output	V	TIG: 22	Pulse Ratio Width	%	1~99
		STICK: 26	Duty cycle	-	300A / 60%
	A	TIG: 300		Water cooler control	-
		STICK: 150	Clean	-	-
Welding amperage range	A	TIG: 5~300	Gas check	-	✓
		STICK: 5~150	Crater control	-	Crater / Repeat Spot / Special 2T
Efficiency	%	80	Insulation class	-	H
Open-circuit voltage	V	110±10	Protection class	-	IP21S
Up slope	Sec	0.1~10	Dimension (W*D*H)	mm	260*595*505
Down slope	Sec	0.1~10	Net Weight	kg	27.5
Spot time	Sec	0.2~10			

