

TIG300P (W2S72)

Power Source

Professional TIG Welding

- **Pulse TIG capability** for precise heat input control on thin materials
- **Dash-Arc Technology** (for HF TIG) delivers 99% arc striking success rate
- **Assisted-Spot Welding Mode** for uniform spot welds on materials as thin as 0.5mm with precise arc time control

Versatile & Flexible

- **Modular design** with power source integration for water cooler, toolbox module and utility trolley
- **Flexible remote control ecosystem** including digital torch, wireless helmet remote, mobile app, handheld remote, and foot pedal remote

Additional Features

- **45° ClearVision** digital display for high visibility and viewing comfort.
- **Easy-Set** function with pre-optimized parameter sets for inexperienced welders
- 10 job memory slots and USB Type-C port



Upgraded Water Cooler

Enhanced Reliability

- Built-in hall sensors reduce electromagnetic interference
- Potted power supply circuit with IP23S protection class
- Motor with dual-loop CV/CC power supply for enhanced stability
- Comprehensive protection including overvoltage, overcurrent, overheating, and abnormal water flow safeguards for enhanced equipment longevity

Enhanced Usability

- (Optional) built-in water vibration buffer reduces torch vibration for smooth operation
- Built-in high lift pump compatible with torches up to 30m
- Built-in LED for clear water level monitoring



LC-40(C0S2)



TIG300P

Specifications

Power Source		TIG300P(W2S72)
Input Power Source		3ph, AC400V±15% 50/60 Hz
TIG	Rated Input Current	14.5 A
	Power Capacity	8.5 kVA
	Output Current Range	5~300
	Open Circuit Voltage	71 V
	Duty Cycle	40%
	Pulse Frequency	0.5~200 Hz
	Pulse Width	10~90%
	Spot Welding Time	Weld: 0.01~10 s; Interval: 0.1~10 s
MMA	Rated Input Current	16.5 A
	Power Capacity	10 kVA
	Output Current Range	10~270 A
	Arc Force Range	0~150 A
	Hot Start Range	0~60 A
	Open Circuit Voltage	71 V
	Duty Cycle	40%
Power Factor	0.94	
Efficiency (at max current)	≥85%	
Idle Power Consumption	<8W	
Insulation Class	H	
Protection Class	IP23S	
Dimensions (L×W×H)	558*230*416 mm	
Net Weight	18.2 kg	



Standard Accessories

- 4M SGT18-S1-12-MSL water-cooled welding torch
- 300A earth clamp (2.5M, 25mm²)
- 1 pc 300-350A quick connector
- 1 pc tungsten electrode (2.4×150mm)
- 1 pc hexagon wrench (#5)
- 2 pcs hose clamps (6-9mm)
- 1 pc water quick connector (Φ6.5)

TIG300P

Water Cooler	LC-40(CO2S2)
Input Power Source	1ph AC400V±15% 50/60Hz
Rated Input Power	140 W
Water Tank Volume	6.5 L
Maximum Pressure	0.42 MPa
Maximum Flow	5 L/min
Rated Cooling Power	1.5 KW (1L/min)
Protection Class	IP23S
Coolant	Industrial distilled water, antifreeze
Operating Ambient Temperature	Industrial distilled water: 7~60°C Antifreeze: -20~60°C
Storage Temperature Range	-20~60 °C
Noise	<70 db
Dimensions (L×W×H)	600×217×283 mm
Net Weight	14 kg