

The high cost-performance,

## New TIG 250S

Excellent, Precise, Professional, Reliable and Rugged



(Picture for reference only)

### Control panel

Simple and easy to operate, one rotary knob for welding current pre-set, another knob for post gas adjusting. Customers can easily choose the welding current, according to the display panel printing.



- Use 100 KHz inverter MOSFET technology.
- Adopt the third-generation front and rear plastic appearance design.
- Adopt new techniques that maximizing thermal dissipation with 4 separated heat sinks.
- Dual functions: HF TIG and MMA.
- Greatly improved the welding performance and stability; easy striking under low voltage.
- LED display, shows the preset current.
- Intelligent protection: over-voltage, over-loading and over-heating.
- Auto-Adaptive arc force and hot start current under MMA function.
- Post gas adjustable (0.5~10s); make the welding seam protection more effective.
- Pass the high voltage 3750V AC dielectric strength test, safe for welder.
- Energy-efficient: power factor more than 0.73, efficiency more than 80%.



### Base Units Include

- 1 PCS inverter power source with 3m input power cord
- 1 PCS 4m TIG26 torch
- 1 PCS Earth clamp, 3.0m cable with Euro plug (KJO-50)
- 1PCS tungsten electrode

### Optional

- Auto-Darkening Welding Helmet
- Stick electrode holder, 3.0m cable with Euro plug (KJO-50)

## Technical data

Item	Model	TIG 250S
Power voltage (V)		single phase AC220V±15%
Frequency (Hz)		50/60
Rated maximum supply current ( $I_{1max}/A$ )		29
Maximum effective supply current ( $I_{1eff}/A$ )		15.9
Output current range (A)		10~210
Output voltage range (V)		10.4~18.4
Duty cycle (%)		30%
No-load voltage (V)		43
Arcing way		HF
Power factor		0.73
Efficiency (%)		80%
Insulation grade		F
Housing protection grade		IP21S
Weight (kg)		7
Overall dimensions (mm)		395*153*301

## Application specification

Light steel structure, Machinery maintenance, Sheet metal Processing, Pressure container, Pipe installation, Mild steel, Stainless steel, alloyed steel, etc

## Welding current refers

Suitable Electrode model e.g.	Welding position	Φ2.5mm	Φ3.2mm	Φ4.0mm	Φ5.0mm	Φ6.0mm
E6013,E7018, E308-16, E309-16, etc	Flat, Horizontal	55-85A	90-130A	140-180A	---	---
	Vertical, over-head	50-80A	90-120A	120-170A	---	---
Suitable Tungsten Electrode	1.0mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
Welding Current	35-50A	40-85A	50-130A	50-130A	120-150A	140-200A