

VT-400I / VT-500I

TIG/Stick Welding
Power Source



Quick Specs



Light Industrial Applications

Precision Metal Fabrication
Maintenance and Repair
Light and Heavy Manufacturing
Aerospace
Shipbuilding
Tube and Pipe
Automotive
Vocational

Processes

TIG (GTAW)
Stick (SMAW)
Pulsed TIG (GTAW-P)

Input Power

3-Phase Power

Amperage Range 400DC: 5-400A 500DC: 5-500A

Max. Open-Circuit Voltage 61V

Rated Output 400DC: 400A at 26V, 60% Duty Cycle
350A at 24V, 100% Duty Cycle
500DC: 500A at 30V, 60% Duty Cycle
400A at 26V, 100% Duty Cycle

Net Weight

400DC: 37 KG
500DC: 39 KG



Complete Package
comes complete with:

- TIG torch with accessories
- Argon gas regulator
- Clamp with cable
- Gas hose



Digital welding meters display both amperage and voltage for viewing of the actual and preset values for greater accuracy and repeatability in your welding procedure.

High frequency for non-contact arc initiation that reduces tungsten and material contamination. System automatically recall last setting.

Distributor:

VENTORY
Power Technology

Specifications (Subject to change without notice.)

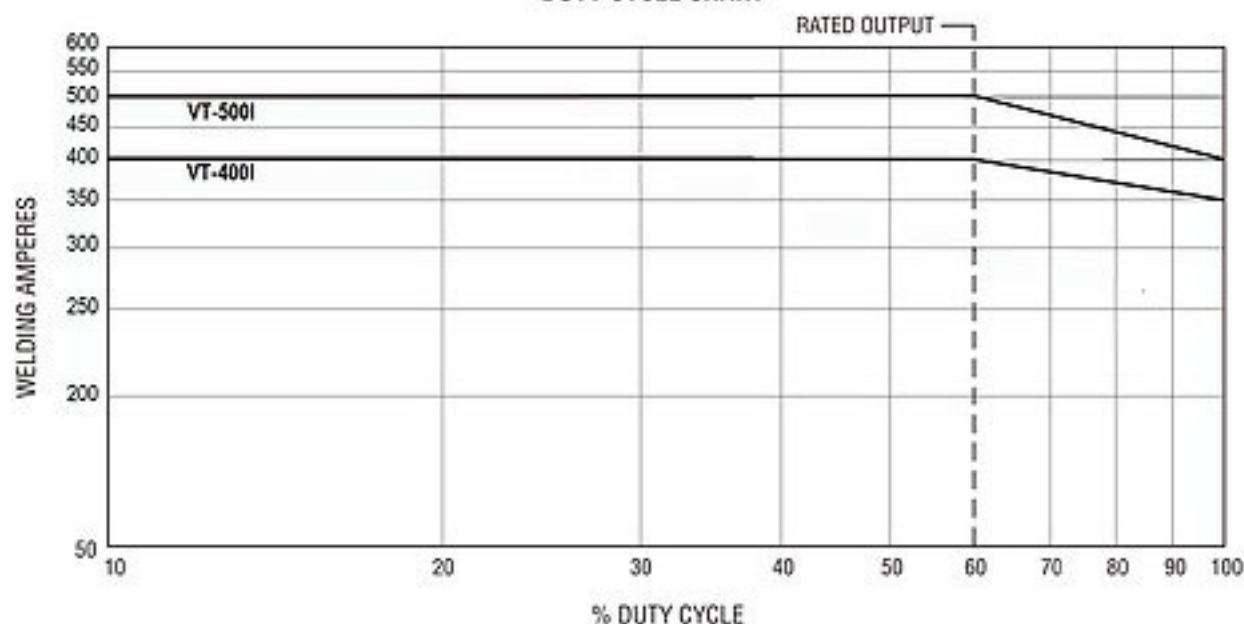


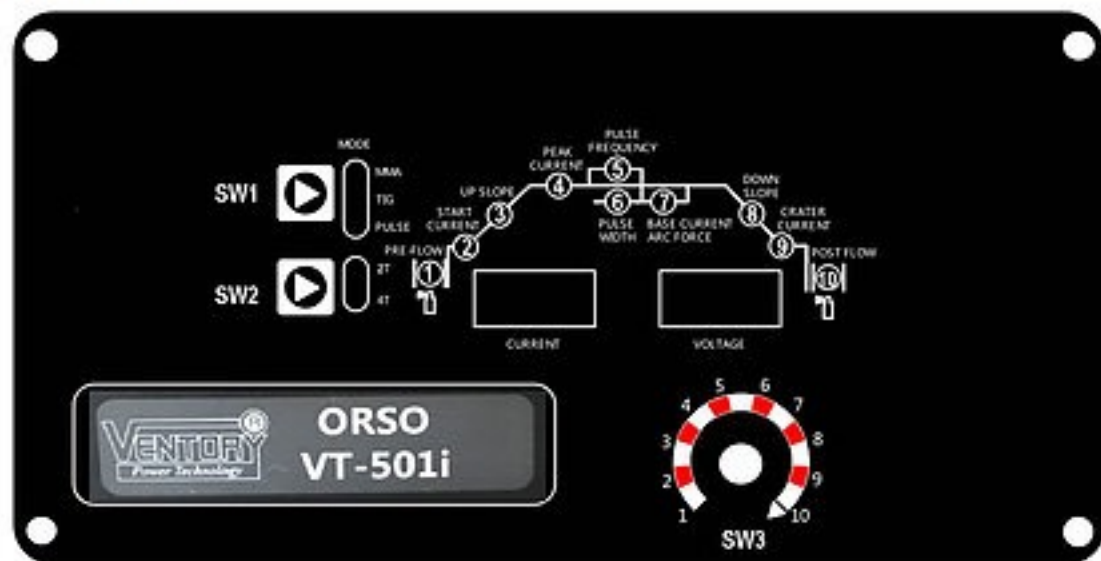
Model	Input Power	Welding Amperage Range	Rated Output	Power Capacity ; Rated load	Max. OCV	Dimensions	Net Weight
VT-400I	3-phase, 50 Hz	TIG: 5-400A	400 A at 26 V, 60% Duty Cycle	11.56KW, 60% Duty Cycle 9.34KW, 100% Duty Cycle	61 V	L : 720mm W: 315mm H: 615mm	37 kg
		MMA: 40-320A	350 A at 24 V, 100% Duty Cycle				
VT-500I	3-phase, 50 Hz	TIG: 5-500A	500 A at 30 V, 60% Duty Cycle	16.67KW, 60% Duty Cycle 11.56KW, 100% Duty Cycle	61 V	L : 720mm W: 315mm H: 615mm	39 kg
		MMA: 40-400A	400 A at 26 V, 100% Duty Cycle				



Performance Data

DUTY CYCLE CHART





Parameter input: Under the two buttons and an encoder proceeding state, use encoder to adjust the corresponding parameter.

Display: Use display meter which is composed of three digital tube

Up slope time, down slope time, base current, gas feeding time, pulse frequency, pulse width ratio, can be arbitrarily adjusted.

DC Output: can be applied to manual welding, constant current argon arc welding, pulsed argon arc welding. Choose different way for different needs. Constant current argon arc welding and pulsed argon arc welding can also suitable to two-step and four-step modes.

Parameter automatically saving: The parameters set (including: preset manual / argon arc welding current, base current, down slope time, gas feeding time, pulse frequency, pulse width ratio) will not be lost when power off.

- 1. PRE-FLOW:** Pre-flow time (0-5 seconds)
- 2. START CURRENT:** Arc current in the output state of the manual arc welding
- 3. UP SLOPE:** The time of welding current rising from the arc current to the peak current
- 4. PEAK CURRENT:** Welding current in normal output state of argon arc welding and manual arc welding
- 5. PULSE FREQUENCY:** Working frequency of pulse output
- 6. PULSE WIDTH:** Time proportion of peak current in pulse output. Can control the welding seam
- 7. ARC FORCE:** The thrust current in the output state of the manual arc welding
- 8. DOWN SLOPE:** Time of the welding current decreased from peak current to the arc current
- 9. CRATER CURRENT:** Current value before welding arc extinguishing
- 10. POST FLOW:** Gas feeding time after welding (1-10 seconds)

SW1: selection of 3 option. MMA, TIG, Pulse function TIG

SW2: selection of two step and four step for the TIG torch switch

SW3: data adjustment button

A: Press for state selection

B: Rotate for parameter adjustment

