

# Invertec® V275-S

## Processes

Stick, TIG, Gouging

## Product Number

K2269-1

See back for complete specs

## Input Power

208/230/460/575/3/60

## Rated Output

275A/31V/35% Duty Cycle

## Input Current @ Rated Output

38/37/19/16A

## Output Range

5-275 Amps

## Weight/Dimensions (H x W x D)

54.5 lbs. (24.7 kg)

13.6 x 9.0 x 20.25 in.

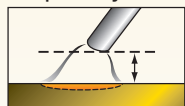
(345 x 229 x 514 mm)

## Weather-Resistant Stick and TIG Welder

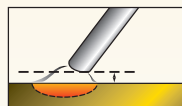
The Invertec® V275-S stick and TIG power source is ideal for outdoor construction sites—it's IP23S rated and equipped with weather resistant features. Up to 275 amps of output gives you access to a greater number of stick electrodes, including outstanding E6010 performance.

## FEATURES

- ▶ **Outstanding AWS E6010 and E7018 performance** - using up to 7/32 in. (5.5 mm) diameter electrode that enables both whip and drag techniques for a variety of construction and fabrication applications.
- ▶ **Touch Start TIG®** - allows the welding arc to be established without high frequency starting.
- ▶ **Air carbon arc cutting and gouging** - with up to 3/16 in. (4.8 mm) diameter carbon electrode.
- ▶ **Selectable Hot Start** - turn it off for thin material or flip it on for thick, rusty or dirty material.
- ▶ **Variable Arc Force** - dial in the "soft" or "crisp" arc you want.



Soft Arc



Crisp Arc

- ▶ **All-in-one machine** - 208/220/230/380/400/415/440/460/575 input volt settings—no single phase de-rating.

## APPLICATIONS

- ▶ Construction
- ▶ Fabrication
- ▶ Maintenance
- ▶ Repair



Shown:  
K2269-1 Invertec® V275-S

## WHAT'S INCLUDED

### K2269-1 Includes:

- ▶ Invertec® V275-S
- ▶ Input Power Cable, 10 ft. (3.0 m)
- ▶ Twist Mate™ Cable Plugs (K852-70), quantity 2

### K2666-1 V275-S (Tweco®) 4-Pack Inverter Rack

### K2666-2 V275-S (Tweco®) 8-Pack Inverter Rack

For more information, see publication E5.92



Shown:  
K2666-2 Invertec® V275-S  
(Tweco®) 8-Pack Inverter Rack

## INPUT



## OUTPUT



Two Year Extended  
Warranty Available in  
the U.S.A. and Canada



## KEY CONTROLS

1. Preset Output Amps Control
2. Thermal Protection Indicator
3. "On" Light
4. Hot Start Control
5. On/Off Switch
6. Negative and Positive Output Terminals (Twist Mate™ or Tweco®)
7. Remote Output Control Receptacle - 6-Pin
8. Arc Control Knob
9. Mode Selection Switch (Stick/Touch Start TIG®)
10. Local/Remote Output Control



Shown:  
K2269-3 Inverter® V275-S

## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS



**Caster Kit**  
Used on Inverter Racks.  
**Order K2665-1**



**Twist Mate™ Cable Plug**  
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm<sup>2</sup>) cable.  
**Order K852-70**



**Twist Mate™ Cable Plug**  
For connecting welding cable to output terminal receptacles. For 2/0-3/0 (70-95 mm<sup>2</sup>) cable.  
**Order K852-95**



**Twist Mate™ Cable Receptacle**  
For connecting welding cable to Twist Mate™ cable plug. For 1/0-2/0 (50-70 mm<sup>2</sup>) cable.  
**Order K1759-70**



**Twist Mate™ Cable Receptacle**  
For connecting welding cable to Twist Mate™ cable plug. For 2/0-3/0 (70-95 mm<sup>2</sup>) cable.  
**Order K1759-95**



### STICK OPTIONS

**Accessory Kit**  
For stick welding. Includes 35 ft. (10.7 m) 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filter plate, cover plate, work clamp and electrode holder. 400 amp capacity.  
**Order K704**



**Accessory Kit**  
For stick welding. Includes 20 ft. (6.1 m) #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, work clamp, and electrode holder. 150 amp capacity.  
**Order K875**



**Remote Output Control**  
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output. 6-pin connection.  
**Order K857** for 25 ft. (7.6 m)  
**Order K857-1** for 100 ft. (30 m)



### TIG OPTIONS

**17V Air-Cooled TIG-Mate™ Starter Kit**  
Get everything you need for TIG welding in one complete easy-to-order kit packaged in its own portable carrying case. Includes: PTA-17V Ultra-Flex™ torch, parts kit, Harris flowmeter/regulator, 10 ft. (3.0 m) gas hose, and work clamp and cable.  
**Order K2265-1**



**Twist Mate™ Torch Adapter**  
For connection of PTA-9 or PTA-17V torches (1 piece cable) to power sources without gas passing through the Twist Mate™ connection.  
**Order K960-1**



**Foot Amptrol™**  
Provides 25 ft. (7.6 m) of remote output control for TIG welding (6-pin plug connection).  
**Order K870**



**Hand Amptrol™**  
Provides 25 ft. (7.6 m) of remote current control for TIG welding. (6-pin plug connection). Velcro straps secure torch.  
**Order K963-3** (One size fits all Pro-Torch™ TIG Torches.)

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Inverter® V275-S	K2269-1	208/230/460/575/3/60	275A/31V/35% 250A/30V/60% 200A/28V/100%	38/37/19/16A 34/33/17/14A 27/25/13/11A	5-275A	13.6 x 9.0 x 20.25 (345 x 229 x 514)	54.5 (24.7)
or	or	208/230/460/575/1/60	275A/29-31V/35% 250A/30V/60% 200A/28V/100%	68/67/38/31A 63/62/33/27A 49/48/26/21A			
Inverter® V275-S (Tweco®) <sup>(1)</sup>	K2269-3	220/380/400/415/440/3/50	250A/30V/35% 200A/28V/100	32/20/19/18/17A 25/15/15/14/13A			
		220/380/400/415/440/1/50		63/42/40/38/36A 48/32/30/29/27A			

<sup>(1)</sup> With Tweco®-style output connectors. Tweco® is a registered trademark of Thermadyne.

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details

### CUSTOMER ASSISTANCE POLICY

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