

Invertec® V100-S

For Stick and TIG Welding

The Invertec V100-S is an ultra high speed inverter power source that delivers premium arc performance in one of the smallest packages available today. The V100-S provides this level of performance in both stick welding and scratch start TIG welding modes.



Processes _____

Stick TIG

Advantage Lincoln _____

- Great for stick welding with such popular Lincoln electrodes as Fleetweld® 35, Fleetweld 37, Fleetweld 180 and Jet-LH® 78MR™.
- Scratch start DC TIG operation with premium arc welding performance down to as low as 8 amps.
- Built in “Hot Start” for easy electrode starting.
- Compact, lightweight design weighs less than 10 lbs. for the ultimate in portability.
- Rugged plastic case for worry-free portability and shock resistance.
- Thermostatic protection for long life of electronic components.
- Built-in “over voltage” protection.
- Illuminated On/Off switch for easy user feedback.
- Meets IEC974-1 standards for safety and reliability.
- 1 year warranty on parts and labor.

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Description _____



Unit Includes _____

EH-200 electrode holder, Twist Mate Plug

Recommended Options _____

EH-200 electrode holder, Twist Mate Plug

Recommended TIG Options _____

PTA-17V TIG Torch, PTA-17V Parts Kit

Order _____

K1577-1 Invertec V100-S 115/1/50/60

Technical Specifications

Product Name	Product Number	Input Power ⁽¹⁾	Rated Output Current/Voltage/Duty Cycle ⁽²⁾	Input Current @ Rated Output	Output Range	Dimensions H x W x D in.(mm)	Net Weight lbs.(kg)
Invertec V100-S	K1577-1	115/1/50/60	100A/24V/15%	32A ⁽³⁾	8-100A 20-24V Max. OCV: 67V	6 x 10 x 14 (152 x 254 x 356)	9.9 (4.5)
			85A/23.5V/20%	25A ⁽⁴⁾			
			70A/23V/20%	20A			

⁽¹⁾Input power above 20% of nominal will cause internal damage.

⁽²⁾Higher duty cycles can be achieved when TIG welding because the welding voltage is lower.

⁽³⁾Requires a 30 amp branch circuit.

⁽⁴⁾Requires a 20 amp branch circuit.

Recommended Options



EH-200

Insulated electrode holder designed for maximum operator comfort and convenience.

Order K909-1.



Twist-Mate™ Plug

Twist-Mate plug for connecting welding cable to output terminals. Contains one plug.

Order K852-25.



PTA-17V TIG Torch

150 amp air-cooled, compact and durable TIG torch for thin to medium gauge materials. Includes integral gas valve for gas control at the torch, and two piece cable. Connects with Twist-Mate™ adapter plug included with machine.

Order K1782-7 (12.5 ft.)

Order K1782-9 (25 ft.)



PTA-17V Parts Kit

Parts kit includes back cap, collets, collet bodies, nozzles, and tungstens.

Order KP508 (17V torches).

See publication E12.150 for parts kit breakdown.

Invertec® V100-S Order Form

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
INVERTEC V100-S	K1577-1		
Recommended Options			
EH-200 Electrode Holder	K909-1		
Twist-Mate™ Plug	K852-25		
Recommended TIG Options			
PTA-17V Pro-Torch TIG Torch, 12.5 ft.	K1782-7		
25 ft.	K1782-9		
PTA-17V Parts Kit	KP508		
	TOTAL:		

Customer Assistance Policy

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying this type of fabrication methods and service requirements.